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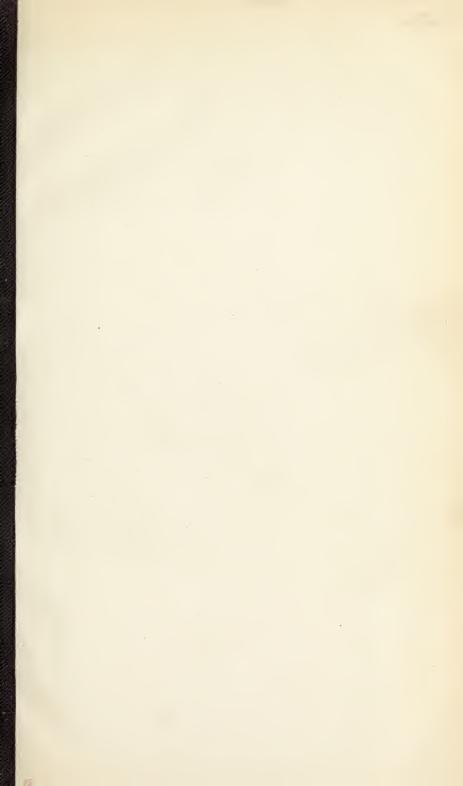


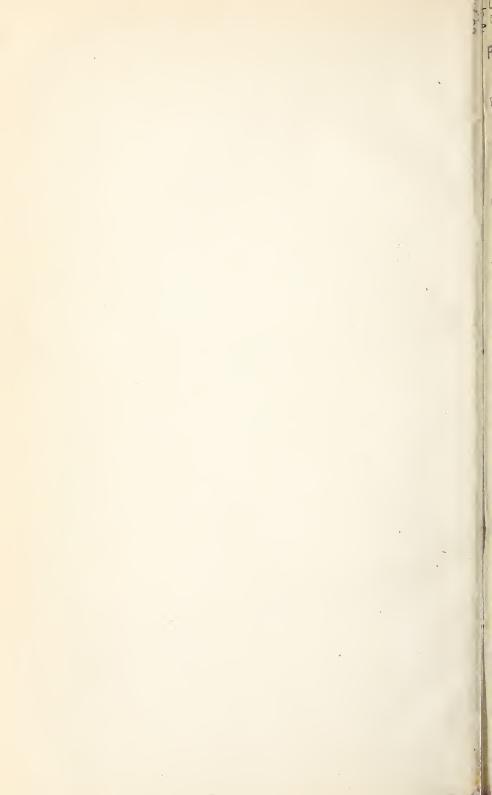
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56TH CONGRESS, HOUSE OF REPRESENTATIVES. DOCUMENT 1st Session. No. 173.

Reserve

EXPENDITURES IN THE DEPARTMENT OF ACRICULTURE.

LETTER

FROM

# THE ACTING SECRETARY OF AGRICULTURE,

PRESENTING

A DETAILED STATEMENT OF THE EXPENDITURES OF ALL APPROPRIATIONS FOR THE FISCAL YEAR ENDING JUNE 30, 1899.

DECEMBER 13, 1899.—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

DEPARTMENT OF AGRICULTURE, OFFICE OF THE SECRETARY, Washington, D. C., December 12, 1899.

SIR: In conformity to law, I have the honor to present herewith to Congress a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1899, including supplemental accounts to date.

Very respectfully,

J. H. Brigham, Acting Secretary.

The Speaker of the House of Representatives.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1899.

#### SALARIES.

Name.	Amount.	Name.	Amount.
James Wilson J. H. Brigham	4,500.00	A. D. Melvin H. E. Alvord	\$2,500.00 2,500.00
D. E. Salmon John Hyde Andrew Geddes	3,000.00 2,500.00	V. A. Norgaard E. A. de Schweinitz A. M. Farrington	2, 250, 00 2, 250, 00
F. L. Evans Geo. W. Hill F. Y. Coville	2,500.00 2,500.00	Geo. K. Holmes. Jas. W. Wilson J. B. Bennett	2,000.00 2,000.00
L. O. Howard C. Hart Merriam G. B. Bracket	2,500.00 2,500.00	C. B. Lower A. Zappone S. R. Burch	2,000.00 2,000.00
B. T. Galloway H. W. Wiley Milton Whitney	$\begin{bmatrix} 2,500.00 \\ 2,500.00 \end{bmatrix}$	R. M. Reese E. D. Yerby Jos. A. Arnold	1,800.00 1,800.00 1,800.00
F. Lamson-Scribner Gifford Pinchot William Saunders	2,500.09 2,500.00	R.B. Handy Jas: S. Watkins	1,800.00 1,800.00

#### SALARIES—Continued.

Name.	Amount.	Name.	Amount
Vm. A. Taylor	\$1,800.00	V. K. Chesnut	\$1,200.0
A. F. Woods E. E. Ewell Lyman J. Briggs G. G. Smith	1,800.00	M. G. Champney E. A. Preble D. G. Passmore F. W. Patterson	1,200.0
E. E. Ewell	1,800.00	E. A. Preble	1,200.0
Lyman J. Briggs	1,800.00	D. G. Passmore	1,200.0 1,200.0 1,200.0
.G. Smith	1,800.00	F. W. Patterson	1 200 (
W. P. Cutter E. B. Jones B. A. Pearson	1,800.00	J. K. Hayward Jas. Morrison T. B. Harrison	1,200.0 1,200.0 1,065.5 1,050.0
E. B. Jones	1,800.00	Jas. Morrison	1,065.
A. A. Pearson	1,800.00	T. B. Harrison	1,000.0
F Demeon	1,800.00 1,800.00	Many F Williams	1,017.3
E. C. Schroeder J. F. Dawson I. H. Gerdes	1,800.00	L. H. Dewey Mary E. Williams M. B Zimmerman J. F. Watlington	1,000.0 1,000.0
r. S. Palmer	1,795.11	J. F. Watlington	1,000.0
Allen Dodge	1,600.00	Ella Edwards	1,000.0
Allen Dodge V. C. Pennywitt I. M. Brigham	1,600.00	W. F. Tomlinson	1,000.0
I. M. Brigham	1,600.00	J. P. Shannon	1,000.0
.A. Harvey	1,600.00	B. M. Dodson	1,000.0
. F. Harrington	1,600.00	W. W. Tracy, jr	1,000.0
eo. E. King	1,600.00	M. E. Thorn	1,000.
dwd. Bailey	1,600.00	M. E. Skinner	1,000.0
A. Harvey  "F. Harrington teo. E. King dawd. Bailey J. A. Leith	1,600.00	J. F. Wathington Ella Edwards W. F. Tomlinson J. P. Shannon B. M. Dodson W. W. Tracy, jr M. E. Thorn M. E. Skinner C. E. Bracey E. L. Clark C. Walden H. R. Smedes	1,000.0
A. G. Rice Theodore Pergande	1,600.00 1,600.00	E. L. Clark	1,000.
V D Bigglow	1,600.00	H R Smodes	1,000.0 1,000.0
V. D. Bigelow V. H. Krug	1,600.00	H. R. Smedes	1,000.
J Olin	1,600.00	R. M. Rlankman	1,000.
.J. Olin K. Fisher	1,500.00	J. M. P. Haas	1,000.
A Williams G Runyan ornelius L Shear larry T. Price M. Houseman	1.438.20	A. M. Wright R. M. Blankman J. M. P. Haas M. M. McClure	1,000.
G. Runvan	1, 434, 75	F. C. Pratt	1.000
ornelius L. Shear	1, 434. 75 1, 404. 09	F. C. Pratt Ada B. Morrison	1, 400.
Harry T. Price	1,400,00	Bertha Heiges	1, 400. 1, 000.
.M. Houseman	1,400.00	S. E. Miller Thos. H. Means	1, ()()().
as. E. Jones arrie DuBois	1 400 00	Thos. H. Means	1,000. 1,000.
arrie DuBois	1,400.00	Janet Stewart Nathl. Shotswell	1,000.
I. McCutchen	1,400.00	Nathl. Shotswell	1 (100
. C. Cox	1, 400.00	E. B. Hanks	1,000.
V. W. Long	1,400.00	Rath: Shotswell E. B. Hanks W. E. Cotton M. N. Barnard	1,000.
J. Stallings	1,400,00 1,400.00	M. N. Barnard	1,000.
for West	1,460.00	M. F. Forcer	1,000. 1,000.
I. McCutchen C. Cox V. W. Long 3. D. Stallings H. Hendrix Iax West Lice Henkel J. M. Dougherty	1,400.00	B. G. Wasdon M. E. Fagan McP. Reynolds	
! M Dougherty	1,400.00	J R Graham	1,000.
rank Benton	1,400.00	N F Haughton	1,000.
M. Dougherty rank Benton E. L. Beal C. Trescott	1,400.00	M. C. Montgomery	1,000.
C. Trescott	1,400.00	Tooie A. Geddes	1,000.
I. S. Tidd	1,400.00	J. B. Graham N. F. Haughton M. C. Montgomery Tooie A. Geddes J. M. Pickens	998.
I. S. Tidd D. J. J. Luebkert A. Clark	1.400.00	Flora Steineger Henry Farquhar	948. 934.
.A. Clark	1,400.00	Henry Farguhar	934.
Iarion Dorset Ibert Hassall Iary Sullivan	1,400.00	Thomas Riggles. F. L. J. Boettcher E. E. McDonell	900.
lbert Hassall	1, 400.00	F. L. J. Boettcher	900. 900. 900.
lary Sumvan	1,400.00	E. E. McDonell	900.
velyn Lyons	1,400.00 1,400.00	H. L. Hill J. S. Pennybacker, jr W. E. Griffith R. F. Johnson	858. 840.
N. Gregory V. S. D. Haines I. S. Graves M. Braumbaugh	1,400.00	W F Cuiffith	840
S Graves	1,276.63	R F Johnson	840. 840.
M. Braumbaugh	1. 250. 00	Annie Parker	840.
I. A. Vieth Ilmont Barnes	1,250.00 1,237.53	R. F. Jonnson Annie Parker M. A. Goodchild Frank J. Cleary J. Y. Hudson E. W. Willard T. B. Reamy Jos. Williams Wm Collier	840. 840.
Imont Barnes	1,237.53	Frank J. Cleary	840.
G Guthridge	1 200 00	J. Y. Hudson	840.
hos. J. Ray I. Helen Burr I. A. S. Coleman	1,200.00	E. W. Willard	840.
L. Helen Burr	1,200.00 1,200.00	T. B. Reamy	840. 840. 840.
	1,200.00	Jos. Williams	840.
I. T. Chapman	1,200.00 1,200.00	TT TO	010.
C Saundare	1,200.00	T A Mason	840.
K. Bragdon C. Saunders H. Stevens irginia Miller	1,200.00 1,200.00	A. H. Brooks J. A. Mason W. A. Murray S. C. Alexander Emma S. Thompson C. W. Stiles E. L. Ogden C. B. Finckel Lawrence Gallagher	840.
irginia Miller		S. C. Alexander	835.
. H. Wagner	1,200,00	Emma S. Thompson	831.
V. W. Jones	1,200.00 1,200.00 1,200.00	C. W. Stiles	835. 831. 831.
lice Norris	1,200.00	E. L. Ogden	805.
.B. Barnett	1,200.00 1,200.00	C. B. Finckel	798.
ouise Taylor	1,200.00	Lawrence Gallagher	805. 798. 796. 791.
rwin Frickey	1,200.00		
Irginia Miller  H. Wagner  V. W. Jones  Llice Norris  B. Barnett  Louise Taylor  rwin Frickey  A. Emery  Lary F. Dent  Os. Abel  C. I. Fyans	1,200.00 1,200.00 1,200.00	G. H. Hicks Harry Crompton Thos. Rutledge	772. 720.
lary F. Dent	1,200.00	Harry Crompton	720. 720.
OS. A 001	1,200.00	Thos. Rutleage	720. 720.
C. I. Evans	1,200.00	J. S. Lee	720.
J G Marchall	1,200.00	Mary A Dugan	720. 720.
V. H. Mahone I. G. Marshall Lora Schmidt	1,200.00 1,200.00 1,200.00 1,200.00 1,200.00 1,200.00	J. S. Lee A. J. Hodges A. J. Hodges Mary A. Dugan J. E. M. Gantt Moses Smith W. S. Stamper	720.
Vm. M. King	1.200.00	Moses Smith	720.

SAT.	ARIES	S—Co	ntini	ned.
DAL	77 17 17 17 17 1	J	прип	icu.

Name.	Amount.	Name.	Amount.
H. S. Mott Geo. I. Hall W. H. Moor Wm. T. Stedman E. J. Maloy A. H. Kife	\$720.00	Sara L. Gardner	\$100.00
Geo. I. Hall	720.00 720.00	Annie Gibson Jno. R. Mohler	99.80
W. H. Moor	720.00	Jno. K. Mohler Amelia Lewis Aug. L. Dahler Lillian Ross Mary E. Rollins C. R. Ball M. B. Clarvoe C. P. Fletcher Maude S. Chamberlin V. J. Delse	98. 90 92. 35
E. J. Malov		Aug. L. Dahler	87.00 81.70
E. J. Maloy A. H. Kite Emilie J. Wilde W. C. Shemoneck L. W. Thavis Clarence Bean B. F. Ridgeway Jno Nicholas	720.00	Lillian Ross	81.70
Emilie J. Wilde	720.00 720.00	Mary E. Rollins	60.00
I. W Thavis	720.00	M. B. Clarvoe	46. 15 45. 00 34. 24
Clarence Bean	720.00	C. P. Fletcher	34.24
B. F. Ridgeway	720.00	Maude S. Chamberlin	26.67
Jno. Nicholas Alfred Hawkins R. H. Cook	720, 00 720, 00	M. L. Dalas M. D. Brown Rose F. Leith Moses Johnson	20.65
R. H. Cook	720.00	Rose F. Leith	11.41 8.06
W. D. Jones L. D. Frost E. C. Herrick	720.00	Moses Johnson	8.00
W. D. Jones	720.00	W. D. Corder J. W. Harris	3.00
E.C. Horrick	720.00 698.40	J. W. Halris	3.00 3.00
L. T. Harrison	661.25	John Higgins Geo. B. Johnson	3.00
Lena B. Goetz	660.00		
Geo. W. Sheerer	660.00	Total	315, 965. 93
Guy N. Collins	627.72 623.11	Supplemental.	
L. T. Harrison Lena B. Goetz Geo. W. Sheerer Julia King Guy N. Collins W. E. C. Todd A. J. Pieters Frank Sprague	618.30		
A. J. Pieters	608.70 600.00	Willis L. Moore	4,500.00
Frank Sprague	600.00 600.00	Cleveland Abbe Frank H. Bigelow H. A. Hazen Edwd. B. Garriott H. E. Williams H. J. Cox	3,000.00
H. L. Brown W. T. Deakins	600.00	H. A. Hazen	2,500.00
J. H. S. Tabler H. P. Hottenstein Martin Johnson	600.00	Edwd. B. Garriott	3, 000, 00 3, 000, 00 2, 500, 00 2, 500, 00 2, 250, 00 2, 125, 00
H. P. Hottenstein	600.00 600.00	H. E. Williams	2,250.00
Martin Johnson	600.00	H.J. Cox	2, 125.00
W. N. Talbot	600.00	Jas Berry A. J. Henry D. J. Carroll J. H. Robinson	2,000.00 2,000.00
W. H. Richards	600.00	D. J. Carroll	2,000.00 1,800.00
Emily Werner	600.00	J. H. Robinson	1,800.00
C. W. Towers	600.00	D. T. Maring Jas. R. Cook H. C. Frankenfield W. H. Hammon	1,800.00
E. M. Hollidge	599.30 587.61 523.37	H. C. Frankenfield	1,800.00 1,749.96 1,625.00
C. A. Keffer	523. 37	W. H. Hammon	1,625.00
Minna A. Cannon	500.00	Robt. Seyboth	1,600.00
Martin Johnson E. C. Morton W. N. Talbot W. H. Richards Emily Werner C. W. Towers W. H. Johnson E. M. Hollidge C. A. Keffer Minna A. Cannon Minna Atkinson Anna C. Kelton Louise Douglas	500.00 490.80	F.J. Randolph	1,600.00 1,600.00
Louise Douglas	480,00	W. H. Hammon Robt. Seyboth F. J. Randolph Edgar B. Calvert Jno. C. Fry Frank Gillam P. C. Day F. M. Cleaver S. W. Beall J. T. Foy J. H. Jones G. W. Smith T. O. Pugh Chas. Holmes J. C. Ashton G. W. Hay H. J. Penrod Theo. T. Moore H. S. Heiskill	1,600.00
Martha Boss Susie Morgan W. Markwood	480.00	Frank Gillam	1,600.00
Susie Morgan	480.00 420.60	P. C. Day	1, 450.00 1, 426.07
E. B. Harden	380.20	S. W. Beall	1,400.00
E. B. Harden Jennie Jones H. B. Coffin	367.00 361.96	J. T. Foy	1,400.00
H. B. Coffin	361.96	J. H. Jones	1,400.00
S. W. Halsey C. H. Seaton Wm. Halley M. M. Ingraham W. S. Constean	343.01 334.82	T O Pugh	1, 400.00 1, 400.00
Wm. Halley	334. 82 312. 00 300. 00	Chas. Holmes	1,400,00
M. M. Ingraham	300.00	J. C. Ashton	1,400.00
W.S. Canatsey Catharine Baltimore Edmund Burke	299.40 281.95	H. I. Popped	1, 400.00 1, 400.00
Edmund Burke	265. 20	Theo. T. Moore	1,400.00
Geo. S. Waldo	257.65	H. S. Heiskill.	1,400.00
Geo. S. Waldo E. McK. Chace H. S. Tullis	250.00	Jno. J. Bain Jno. C. Stewart Henry Fennywitt M. C. Bennett C. F. Marvin H. H. Kimball A. H. Kinnear	1,400.00
Frank P. Evans Kate McCarty J. E. Leonard Charity Broadus Ida E. Hendley N. H. Egleston M. Gerard	244.61 240.60	Henry Fennywitt	1, 400.00 1, 400.00
Kate McCarty	240.00	M. C. Bennett	1, 400, 00
J. E. Leonard	240.00	C. F. Marvin	1,250.00 1,225.54
Ida E. Handley	240.00 239.60	H. H. Kimball	1, 225. 54 1, 200. 00
N. H. Egleston	234.80	William Berry	1, 200, 00
M. Gerard	220.03	William Berry R. F. De Grain E. E. Simpson	1,200.00 1,200.00 1,200.00
Belie Meek	219.80	E. E. Simpson	1,200.00
Belle Meek Sothoron Key C.D. Harvey H. M. Kendrick Fred Deffer Geo. H. Rockwood Maria Mead Jas Halay	210.00 182.00	W D Porter	1,200.00
H. M. Kendrick	182.00 180.30	Alex. Ashley	1,200.00 1,200.00 1,200.00
Fred Deffer	173.25	S. A. Potter	1,200.00
Maria Mead	173. 25 170. 30 169. 30	Sophia A. Benter	1,200.00 1,200.00 1,200.00
Jas. Haley	167 60	W. J. Olds	1,200.00
Rena Cooksey	138.91	J. L. Whiteside	1,200,00
Annie De C. Lerrei	138. 91 131. 74 130. 15	R. D. Meston	1,200.00 1,200.00
Jas. Haley Rena Cooksey F. B. Cooksey Annie De S. Lovejoy C. C. Moore, jr J. C. Brooks J. L. Arntzen Lizzie Rollins	130.15	E. E. Simpson J. H. Melton W. D. Porter Alex. Ashley S. A. Potter Sophia A. Benter H. W. Smith W. J. Olds J. L. Whiteside R. D. Meston Jas. M. Watson Arthur Thompson E. G. Johnson	1,200.00
J. C. Brooks	115.40 115.24	E. G. Johnson	1,200.00 1,200.00
J. L. Arntzen	115. 24 114. 09	Belle P. N. Spencer Benj. A. Blundon	1,200.00 1,200.00
Lizzie Rollins	110.47	D A TO	1 000 00

#### SALARIES—Continued.

Name.	Amount.	Name.	Amount.
Supplemental—Continued.		Supplemental—Continued.	
E. M. Mattison	\$1,200.00	Saml. M. Howard	\$00° 0
Ruby S. Hotze	1,200.00	E. A. Branham	\$695. 00 660. 00
Edward A. Brown	1,200.00	S. C. Calvert	660.0
C. B. Tuch	1,200.00	E. P. Stout	660.00
J. H. Harman	1,139.98	E. H. Halbach	630.10
C. J. Jones	1,098.89	W. K. Durnbaugh	657.5
Bemer S. Pague	1,000.00	M. W. Hayes	606.6
Mamie H. Chapman	1,000.00	Jno. Sullivan	600.0
S. Percy Minnick	1,000.00	Chas. W. Chambers, jr	600.0
O. Marean	1,000.00	Jesse Jones	600.0
R. H. Dean Genevra B. Diehl	1,000.00	R. S. N. Sartz	600.0
Frank O. Stetson	1,000.00 $1,000.00$	Myron Baker	596. 7 593. 9
Wm. N. Parker	1,000.00	Jno. A. Balster Robt. Williams	581.3
Virginia M. Peticolas	1,000.00	Wm. Gothman	572.2
F. W. Krichett	1,000.00	Alex. G. McAdie	500.0
A. McC. Ashley	1,000.00	Lester A. Murdock	498. 9
H. W. Clough	1,000.00	Jno. Driscow	474.7
os. U. Monroe	1,000.00	Pearson Chapman	470.1
os. B. Wilson	987.78	Frederick Rice	450.0
Conrad E. Hesse	942.34	Anna L. Pierce	• 425.0
Alice T. Hercus	900.00	Alvin T. Burrows	412.5
Bell Gaston	900.00	C.L. Shaver	401.1
Laura F. Hawkins		Richd. E. Rozzell	391.3
Ralph B. Marean	900. 00 900. 00	W. Plummer	385.6
Mary A. Dolan C. H. Pelcher	900.00	Frank Matthews Jno. I. Parker	356.0 337.7
Matthew Mahany	886, 43	William M. Husson	300.0
Clinton J. Ashton	875.08	M. M. Cooke	294.1
Kathryn Sellers	840.00	Mary C. Ratcliffe	222.1
Mary Long	840, 00	Norma Ridley	190, 4
. M. Cleveland	840.00	Jno. M. Groff	178.2
Oanl. F. O'Neal	840.00	Danl. J. Brown	177.5
Edward Dillon	840.00	C. R. Dodge	173.9
Iermann Perls	840.00	Mary A. Minitor	142.1
Wm. Patrick	840.00	Edward McDermott.	125.2
F. A. Claveloux	840.00	Jno. N. Groff	121.2
C. W. Lederer		Chas. S. Gorgas	114.0 111.8
Ino. F. Collins	833, 54	J. J. Trueman Johanna Minitor	97.8
∃iram Johnson }eo. E. Hunt	798.90	Plato T. Lee	93.9
Richd. Breaden		Park Morrill	81.5
David Keller	720.00	Jas. H. Brooks	65. 1
Michael Hayes	720.00	Harriet B. Turner	47.5
Frank M. Angelo	720.00	C. W. Combs	33. 0
R. H. Morton	720.00	Stewart Sharpe	26.90
no. R. McCauley	720.00	-	
rank L. Graham	701.10	Total	151,799.0

#### FURNITURE, CASES, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1898. July 27 30 Aug. 3 12 16 18 19 23 27 31 Sept. 2	Hugh Reilly James Halley et al C. A. Woolsey Paint and Color Co Francis Miller Church & Stephenson Jno. C. Parker do Chas. R. Edmonston Rudolph, West & Co The Office and Library Co Lansburg & Bro Jas. Halley et al Jno. T. Springman, jr., & Bro Wm. H. Lacy The Grove Lime and Coal Co Ernest Betz W. T. Walker & Co Jas. Halley et al Jas. Halley et al	Salaries Kalsomine, etc Varnish, etc Lumber Letter file Desk Cooler Stepladders Index case Cloth Salaries Cast-iron doors Plastering Brick and clay Repairing roof, etc Brick	357.03 3.18 8.30 127.92 72.00 21.85 4.18 4.20 20.00 50.00 405.57 7.00 6.00 10.35 25.10
	Total first quarter		1,481.90

#### FURNITURE, CASES, AND REPAIRS-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	Rudolph, West & Co Hugh Reilly Church & Stephenson	Hardware Brushes, tools, etc	\$2.62 39.87
	Church & Stophonson	Lumber	39.87 43.11
	W. B. Moses & Sons		295, 65
	Thos. Somerville & Sons	Pipe, etc	31.73 25.70
0	W. B. Moses & Sons Thos. Somerville & Sons. Chas. Becker Thos. Somerville & Sons.	Prine, etc. Pipe, etc. White lead Plumbers' supplies. Bookcases Lumber Card-index case	25, 70 24, 20
8	Jno. C. Parker	Bookcases	118.20
14	Jno. C. Parker Church & Stephenson Library Bureau Geo. F. Muth & Co	Lumber	81.66
20	Library Bureau	Card-index case	146.00
28 31	Jas. Halley et al	Turpentine, etc	25. 24 313. 80
Nov. 7	Jno. S. P. Green	Salaries Paper hanging Case Lumber Cabinet do Varnish	65.50
9	Jno. S. P. Green Yawman & Erbe Manufacturing Co	Case	55.00
16	Church & Stephenson Wyckoff, Seamans & Benedict	Lumber	94.85 27.00
	wyckon, seamans & Benedict Jno. C. Parker Francis Miller G. A. Carter et al W. A. Pate J. E. Chapman & Co Rudolph, West & Co	do	10, 00
	Francis Miller	Varnish	4.00 112.90
30.	G. A. Carter et al	Salaries Sash weights Ventilators Hardware	112.90
Dec. 2	W. A. Pate	Sash weights	1.00
	Rudolph, West & Co.	Hardware	5. 25 18. 56
	do	do	15.14
5 8	do Library Bureau Wash B Williams Thos Somerville & Sons	Go Catalogue case and table Shades Disks, pipe, jute, etc Pulleys Partition Hardware	35.00 99.99
8	Thos Somerville & Sons	Disks nine jute etc	58.40
	W. A. Pate	Pulleys	1.44 98.00
	Thos. Somerville & Sons W. A. Pate Belt & Dyer Rudolph, West & Co. Geo. Meier & Co. Chas. Becker Church & Stephenson LS P. Green	Partition	98.00
14	Rudolph, West & Co	Hardware	4.00
20 21	Chas Recker	Bronze Paints	5.00 52.70 63.00
21	Church & Stephenson	Paints Lumber	63.00
	J. S. P. Green		35.00
99	Hugh Reilly.	Paint	3.25
23 31	J. S. P. Green Hugh Reilly. W. H. Lacy Geo. A. Carter et al.	Paint Plastering Salaries	6.00 148.80
01			
1899.	Total second quarter		2, 167. 56
Jan. 4	Thos. Somerville & Sons	Repairs to steam pipes	170.90
7	W Wiegand & Co	Window frames	23.48
12	Church & Stonborgon	Window frames Repairs to roof Lumber	3.00
19	Burton Vernon Church & Stephensondo	do	6, 58 26, 73
			79.90
	Thos. Somerville & Sons. W. B. Moses & Sons Rudolph, West & Co Chas. Becker W. H. Lacy The Grove Lime and Coal Co.	Marble slabs, etc Furniture, etc Locks etc	$\begin{array}{c} 41.26 \\ 1,575.52 \end{array}$
20	Rudolph West & Co	Locks etc	1, 575, 53
21	Chas. Becker	White lead	15.42
	W. H. Lacy	Locks, etc. White lead Plastering	26.00
98	The Grove Lime and Coal Co	Cement Typewriter desk Papering Salaries	9.00
28 31	Jno. C. Parker A. P. Lang & Co G. A. Carter et al W. H. Butler	Papering	21.85 17.72
	G. A. Carter et al	Salaries	227.02
Feb. 1	W. H. Butler	Glass	17. 72 227. 02 22. 57 3. 00
3	A P Lang & Co	Penagating room	3.00
7	W. H. Butler Ernest Betz A. P. Lang & Co Chas. Becker Church & Stephensondo Ernest Betz Jno. W. Harris et al Ernest Betz Wash B. Williams	Grate Renovating room White lead Lumber	1.84 25.70 4.35
8	Church & Stephenson	Lumber	4.35
	do	do	2.11
13	Ino W Harris et al	Roof Labor Repairing roof Hassocks	$\begin{array}{c} 6.50 \\ 5.25 \end{array}$
25	Ernest Betz	Renairing roof	29. 80
	Wash. B. Williams	Hassocks	3.50
	Church & Stephenson	Lumber Pipe, etc	89.66
	Rudolph, West & Co	Pipe, etc Locks, etc	11.64 8.09
28	Rufus P. Clark	Rep	6.75
	Hugh Reilly	Rep Paint Salaries	3.80
Mar. 2	W R Moses & Sons	Salaries	228.60
mai. A	Wm. H. Lacy	Furniture, carpets, etc	449.78 20.00
9	W. A. Pate	Window weights	1.04
10	C. C. Carter	Painting library ceiling	218.50 791.00
11	Ernest Betz Wash. B. Williams Church & Stephenson Thos. Somerville & Sons Rudolph, West & Co Rufus P. Clark Hugh Reilly Geo. A. Carter et al W. B. Moses & Sons Wm. H. Lacy W. A. Pate C. C. Carter Rudolph, West & Co	Window weights Painting library ceiling Furnishing and erecting steel	791.00
	Francis Miller	Paint strainers etc	. 80
17	Francis Miller Thos. Somerville & Son Church & Stephenson Burton Vernon	Materials for general repairs Lumber Repairing roof	74.20
21	Church & Stephenson	Lumber	74.20 85.78 10.00
41 1	Darton vernon	Repairing roof	10.00

# $\label{eq:continued} Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1899 — \textbf{Cont'd.} \\ \\ \text{FURNITURE, CASES, AND REPAIRS-Continued.}$

Date.	Name.	Nature of payment.	Total.
1899.	·		
Mar. 24	W. B. Moses & Sons	Furniture, etc	\$41.8
31	Geo, A. Carter	Salaries	77. 5
	Total third quarter		4,410.5
Apr. 1	W. H. Butler	Glass	12.5
3	Jno. C. Parker	Index cabinet and pad boxes	22.0
18	Chas. Becker	Lead	10.
22	W. B. Moses & Sons	Repairing roof Glass and stool	16.1
6464	Jas. B. Lambie	Rings	2.4
29	Geo. A. Carter	Salary	74.
May. 3	Hugh Reilly	Paints	4.
11	The Grove Lime and Coal Co	Cement	4.
4.0	W. B. Moses & Sons	Linoleum and chair	19.
19	J. E. Chapman & Co. Thos. Somerville & Sons	Tin work, etc.	16.
23	Thos. Somerville & Sons	Pipe, tank, etc	67. 8.
31	Geo. A. Carter	Stops, bowls, etc	76.
June 1	W. B. Moses & Sons	Chairs	10.
o tillo x	The Grove Lime and Coal Co	Cement	2.
13	Hugh Reilly	Paints	1.
	Church & Stephenson	Lumber	4.
20	Hall, Headington & Co	Cocoa mats	3.
20	W. H. Butler Francis Miller	Glass Oil	2. 23.
24	Jas. B. Lambie	Casters	49.
30	Geo. A. Carter	Salary	74.
		,	463.
			100.1
	Supplemental.		
July 18	Francis Miller	Oil	6.
	Jas. B. Lambie	Wire cloth	
19	Rudolph, West & Co	Hinges	3.
	W D Manage & Const	Wire gauze	10
20	W. B. Moses & Sons Church & Stephenson	Matting Lumber	19.1 41.
Aug. 16	Geo. F. Muth & Co	Turpentine	19.
. Lug. 10	Church & Stephenson	Lumber	22.
17	Chas. Becker	Lead	30.
	Total fourth quarter		144.

#### RECAPITULATION.

First quarter	\$1,481,90
Second quarter	2, 167, 56
Third quarter	
Fourth quarter	
Supplemental	
······································	

#### LIBRARY.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 16	Chemical Publishing Co Oswald Weigle Lemcke & Buechner Gustav E. Stechert M. Murray Albert Britnell	Book Foreign publication Books Books	\$1.00 51.19 10.73 20.13 2.00 14.00
18	H. S. Rich & Co	Book	3.00
19	Albert Britnell	Books	13.80
20	M. E. Mann Mrs. George Marx	do	37.00 39.50
22	Gustav E. Stechert	Book	6.25
24	do W. H. Holabird	Pamphlet on sugar beets	2.10 .50
	Forest and Stream Publishing Co T. H. Castor & Co	Periodical Books	. 40 45, 64
	Lemcke & Buechner		49.67

#### LIBRARY-Continued.

1898.   Aug. 24   Sept. 7   Library Bureau	\$22.50 2.00 21.48
Z6dododododo	\$22.50 2.00 21.48
Z6dododododo	2.00 21.48
Z6dododododo	
Total first quarter	19.30
	362.19
The Helman Taylor Co Books  20 Library Bureau Label holder	1.50
20 Library Bureau Label holder	15.00
	8.00
21 H. V. & H. W. Poor Book 31 J. J. De Forest' Papers and books	7.50
Nov. 1 The Office and Library Co. Inkstand	50, 53 1, 95
J. A. Bethune Atlas	3.00
2 S. B. Griswold New York State Mus. reports	10.65
N. U. Clark & Co	5.00 3.50
2 S. B. Griswold New York State Mus. reports. A. C. Clark & Co. Shippers' Gazette. N. Murray Book Library Bureau Catalogue case 3 Andrews & Church Book	35.00
3 Andrews & Church Book	1.50
Library Bureau Catalogue case  3 Andrews & Church Book Gustav E. Stechert Books  do do do	16.73
do	16.73 11.13 57.73
dododo	9.60
do	2.30
dodo	2.30 7.60 2.39
Library Bureau Cards	2. 39 27. 00
Library Bureau Cards Dec. 1 Henry Youngs & Sons Books	16.00
Dec. 1   Henry Youngs & Sons   Books   Books     2   Bangs & Co   do     5   R. R. Bowker   do	27. 77 9. 50 6. 50
Z Bangs & Co	9.50
Bairbit & Co	2.00
C. F. Libbie & Co	50, 55
8   The Ohio Valley Codo	4.00
19 Iowa Geological Surveydo	1.35 15.00
5         R. R. Bowker         do           Haight & Co         do         do           9. F. Libbie & Co         do         do           8         The Ohio Valley Co         do           19         Iowa Geological Survey         do           A. E. Clark         International Directory           Thos. Meehan & Sons         Meehan's Monthly           The William Weld Co., Limited         Farmers' Advocate           L. B. Tetens         Darwin's Works           Wm. Wesley & Son         Books           -do         do           22         Gustav E. Stechert         do           do         do	6.00
The William Weld Co., Limited Farmers' Advocate	9.00
21   L. B. Tetens   Darwin's Works   Books	15.00 58.00
Will Westey & Soft Books	24. 25
22 Gustav E. Stechertdo	24.25 11.78
dodo	7.16
do	6.58 5.00
Total second quarter	553.06
	20.00
	8.00
Library Rupan Library chalving	8.00 167.00
G. O. Sheilds Books C. W. Davis do	14.00 10.00
7 Davis & Harvey do	51.75
10 Washington Post Co Subscription, July 1 to Dec. 31,	4.20
19	7 01
Bernard Quaritch do	7.01 147.20
24 Malvina Anderson do	6.85
Library Bureaudo	6.00
Feb. 1 Felix M. Dames do	39. 86 43. 00
Oswald Weigeldo	51.75
4 Publishers' Weekly Library journal index sheets	51.75 2.00 57.71
do Books	57.71
The Gardening Co	46. 17 15. 00
6 Gustav E. Stechertdo	23 56
do	7.50 2.75
Jno. C. Parker	12.00
Cambridge Entomological Club Psyche, volume 8,	2.00
8 Fredk. Muller & Co Book Book do	2.00 226.70
Wm. Ballantyne & Sons	3.00 25.00
Raoul Renault Books	6.00
	. 50

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\tt Cont'd}.$

#### LIBRARY-Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
eb. 21	A. E. Foot	Books	\$9.
24	Prodles Whidden	do.	5.
[ar. 1 14	Chas. H. Coe Library Bureau H. N. Patterson Gustav E. Stechert	do	5. 2.
14	Library Bureau	Order slips Index cards	16.
	H. N. Patterson	Index cards	- 77.
	Gustav E. Stechert	Books	16.
	do	do	. 16.
	do	do	14. 13.
	do	do	7.
	do		3.
	do	do	2.
	do Rand, McNally & Co Wm. Ballantyne & Sons R. Friedlander & Sohn	do	7.
	Rand, McNally & Co	Atlas	
	Wm. Ballantyne & Sons	Book Books	25.
	R. Friedlander & Sohn	Books	183.
	do	do	57.
	Crater E Steehent	40	11. 1.
	dustav E. Stechei t.	do	10.
20	Jacob J. De Forest	Books and papers	15.
20 25	Jacob J. De Forest N. W. Ayer & Son	Books and papers American Newspaper Annual,	5.
		1899.	, ,
	Total third quarter		1, 455.
pr. 10	J. C. Parker Lemcke & Buechner	Dictionaries	24.
15	Lemcke & Buechner	Books	20.
	do	do	11.
	do	do	7.
	dodo	do	4.
	do	do	4. 2.
	do	do	ĩ.
	do .	do	1.
	do	do	
17	do Library Bureau Gustav E. Stechert	Desks	130.
19	Gustav E. Stechert	Book	
	Statute Law Book Co	Books	9.
	Brentanos' W. H. Lowdermilk & Co	do	51.
22	Isoch I Do Forest	do do	91.
44	Jacob J. De Forest A. B. Seymour	do	2. 6.
	A. B. Seymour R. R. Bowker Lemcke & Buechner	do	6.
29	Lemcke & Buechner	do	91.
	do	do	91. 52.
			35.
	do do Gustav E. Stechert	do	27.
	do	do	5. 14.
	Gustav E. Stechert	do	14.
	do	do	7.
ay 15	Ino C Parker	Postal Guide	$\frac{1}{3}$ .
18	Jno. C. Parker T. H. Castor & Co Lemcke & Buechner Bradlee Whidden Municipal Engineering Co W. H. Lowdermilk & Co S. B. Griswold Library Buyean	Books	32
	Lemcke & Buechner	do	3. 32. 3.
	Bradlee Whidden	do	5. 2. 53.
	Municipal Engineering Co	do	2.
23	W. H. Lowdermilk & Co.	do	53.
ne 2	S. B. Griswold	do	5.
19	Library Bureau Pharmacy Review Publishing Co	Transcr bands	1.
13	Republican Publishing Co	BooksSubscription	5.
	Lemcke & Buechner	Book	2.
	Republican Publishing Co Lemcke & Buechner The Rural Publishing Co	Book Rural New Yorker	ĩ.
	The Osprey Co	The Osprey	1.
	The Osprey Co The Sun Printing and Publishing Associa-	The Sun	8.
	_ tion.		
	W.N. Clute	Plant World, 2 volumes	2.
4.0	tion. W. N. Clute C. F. Libbie & Co. Gustav E. Stechert	Books	95.
16	Gustav E. Stechert	do	12.
		do	6. 4.
	I	do	4.
90	Pomo v Fingal		
22	Romo y Füssel	do	83. 29
22 24	do Romo y Füssel Lemcke & Buechner M. E. Mann	do do Cyclopædia	83. 29. 7.

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. LIBRARY—Continued.

LIBRARY—Continued.			
Date.	Name.	Nature of payment.	Total.
1899. July 1	- Supplemental.  Lemcke & Buechnerdo	do.	\$23.00 17.06
			2.00 10.51
5	do Forest and Stream Publishing CoR. Friedlander & Sohn Wm. Wesley & Son Chas. F. Batchelder Davis & Harvey A. J. Crawford Lemeke & Buschper	do Book Books do	6. 25 2. 00 38. 10 2. 55 32. 28
6 12	Zemoke & Bucchiler	J	3.97
18 28	and American Veterinary Review do The Chicago Press Clipping Bureau Gustav E. Stechert do	DOURS	3.00 19.72 66.29 48.25 15.10
	do do	do	8.30
29	do do Library Bureau Lumbermen's Credit Association	do do Catalogue case Subscription	16.00 58 50 40.50 50.00
Aug. 11 14 16	Lumbermen's Credit Association Jno. C. Parker Smithsonian Institution W. H. Lowdermilk & Co The Washington Post Co Dulan & Co. William Wesley & Son Lemcke & Buechner do Brentano's	Labels, etc Transportation exchanges Books	50.00 12.00 13.40 9.55
17 19 Oct. 9	The Washington Post Co Dulan & Co William Wesley & Son Lemcke & Buechner	Post Books do Book	4.20 6.00 46.10 2.94
Nov. 1	do Brentano's The Lawyers' Cooperative Publishing Co .	do	2.94 9.96 8.40 12.00
	Total		611.23
First qu Second of Third qu Fourth of Supplem	RECAPITULAT quarter larter quarter quarter quarter		\$362.19 553.06 1,455.51 974.61 611.23
To	tal		3,956.60
	MUSEUM		
Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 31 Sept. 30	Celia Gilletly et aldodo	Salariesdodo	\$105.70 110.86 123.60
	Total first quarter		340.16
Oct. 31 Nov. 30 Dec. 31	Celia Gilletly et aldo do do	do	125.70 123.60 125.90
1000	Total second quarter		375.20
1899. Jan. 31 Feb. 28 Mar. 31	Celia Gilletly et aldodo	do	127. 90 119. 20 127. 90
Amm 20	Total third quarter		375.00
Apr. 29 May 31 June 30		do	124. 10 126. 80 124. 10
	Total fourth quarter		375.00

#### RECAPITULATION.

First quarter	\$340.16
First quarter Second quarter	375, 20
Third quarter	375.00
Fourth quarter	375.00
Total	1,465.36

D /	<b>N</b> T	77.4	m , 1
Date.	Name.	Nature of payment.	Total.
1898.			
uly 9	E. E. Perkins	Internal-revenue stamps	\$1.5
13	Carrie Stueven	Washing towels	9. 6 28. 9
15 18	W. P. Cutter	Traveling expenses	28.
10	W. P. Cutter The Andrew J. Joyce Carriage Co Schondan & Harris	Traveling expenses Repairs to carriage Horseshoeing	2.
21			41.5
	Capital Traction Co. T. W. Smith E. Morrison Paper Co. Belt & Dyer M. Du Perow R. P. Clarke. Mackall Bros Chadwick Copying Book Co. Austin Smith E. M. Tilden	Compo board	10.
25	E. Morrison Paper Co	Rubber bands	95.8
26	M Du Porow	Molding Key sockets Pink tape Fly paper Copying books	9. ( 7. (
20	R. P. Clarke	Pink tape	6.
	Mackall Bros	Fly paper	4.6
27	Chadwick Copying Book Co	Copying books	. 90,
1	Austin Smith	Blotting paper	1.
	E. M. Tilden. Yawman & Erbe Manufacturing Co Mamie Lewis		4.5 12.0
ug. 3	Mamie Lewis	Copying paper Washing towels Feed Electric fans, etc	12.0 38.3
9	W. M. Galt & Co	Feed	76.6
	W. M. Galt & Co Jno. E. Galloway do	Electric fans, etc	180.0
	do	Electric fans	126.0 108.7
	M. Du Perow.	Electric fans	252.0
	do	Electric fans, etc	32.
	do	Cut-outs, etc	14.6
	do Wyckoff, Seamans & Benedict J. R. Buckelew	do	8.0
	J. R. Buckelew	Typewriter and paper	1. 96.
	do	do	92.5
10	Geo. Meier & Co.	Paints	5. 25.
	The Okonite Co., Limited	Wire	25. 21.
12	United States Electric Lighting Co	PencilsElectric currents	42.
1.10	do	do	9.8
	do Geo. Meier & Co. The Okonite Co., Limited C. S. Braisted United States Electric Lighting Co. do S. P. Johnson Jno. C. Parker Rufus P. Clarke Great Falls Ice Co.	Repairs to typewriter Stationery 5 yards rep	3. (
16	Jno. C. Parker	Stationery	88. 8 6. 7
18	Great Falls Ice Co	Ice	95.8
	Harris & Shafer	Clockdo Telegraph servicesGas Pencils	7.8
		do	7.8
19	do Western Union Telegraph Co Washington Gas Light Co Fred A. Schmidt Mackall Bros Rudolph, West & Co W. A. Pate Belt & Dyer Royce & Marean	Telegraph services	2.5
	Fred A Schmidt	Pancils	24.
	Mackall Bros	Sponges	19.0
	Rudolph, West & Co	Hardware	17.7
20	W. A. Pate	Cord	19. 8
23	Royce & Margan	Cord	14.
40	do	Electric supplies	9.8 26.0
	J. H. Brigham	Cord Molding Cord Electric supplies Traveling expenses Envelopes	26.0
24	do. J. H. Brigham Holyoke Envelope Co. The White, Corbin & Co. C. S. Braisted Jno. P. Nawrath Easton & Rupp Rudolph, West & Co. R. C. Ballantyne C. R. Edmonston United States Electric Lighting Co. E. Morrison Paper Co.	Envelopes	16.2 30.7
	C S Braisted	Pencils, etc.	16.8
	Jno. P. Nawrath	rencils, etc. Twine Ink, etc Mops, etc Stationery Buckets	40.8
25	Easton & Rupp	Ink, etc	10.5
	Rudolph, West & Co	Mops, etc	12. 0 46. 9
	R. C. Ballantyne	Buckets	6.6
	United States Electric Lighting Co.	Lamps	7.2
	E. Morrison Paper Co	Ink	4.8
05	E. Morrison Paper Co. Louis Hartig W. H. Butler Cleveland Cycle Co Wm. J. Zeh F. P. May & Co. Harris & Shafer The White, Corbin & Co. Jas. H. McGill	Tacks Gasoline	. 9
27	W. H. Butler	Rievele	60.0
	Wm. J. Zeh	Bicycle Coal	33.8
	F. P. May & Co	Saw files	1. 1
	Harris & Shafer	Clock	7.5
	The White, Corbin & Co	Envelopes	28. 5
ept. 2	Jas. H. McGill	Plaster paris Washing towels	1.6 45.6
7	Mame Lewis Library Bureau The J. F. W. Dorman Co Yawman Erbe Manufacturing Co.	Cards Cards Cards	7.8
			41.0

#### CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 7	Jno. C. Parker The White, Corbin & Co. J. H. Brigham Jas. B. Lambie The Office and Library Co. United States Electric Lighting Co.	Stationery	\$534.0
Sept. 7	The White, Corbin & Co	Envelopes Traveling expenses	41.5 17.7
	J. H. Brigham	Traveling expenses	
15	Jas. B. Lambie	Scissors Binding cases Electric lights Current for fans Inspecting boilers Repairs Letter paper Files Traveling expenses Storm apron Machine ink Ice Repairs Oats Car tickets	11.4
	United States Flactric Lighting Co	Electric lights	9.8 63.5
	do	Current for fans	21.8
	Jno. H. Wilkerson	Inspecting boilers	20.0
	Wyckoff, Seamans & Benedict	Repairs	. 6
	J. R. Buckelew	Letter paper	. 6 10, 5
	F. P. May & Co	Files	11.0
19	Jas. Wilson	Traveling expenses	48.3
20	McDermott Carriage Co	Storm apron	5.0
	Const Folks Inc Co	Tag	107.6
	S I Maake	Rangire	35 0
- 0	W M Galt & Co	Oats	35. 0 49. 5
	Capital Traction Co	Cartickets	41.5
22	Alice G. Hall	Department publications	8. 0 12. 0 12. 6 2. 8
23	Pennsylvania R. R. Co	Passenger transportation	12.0
	Adams Express Co	Transportation	12.6
26	Jno. H. Wilkerson Wyckoff, Seamans & Benedict J. R. Buckelew F. P. May & Co Jas. Wilson McDermott Carriage Co E. M. Tilden Great Falls Ice Co S. J. Meeks W. M. Galt & Co Capital Traction Co Alice G. Hall Pennsylvania R. R. Co Adams Express Co Burlington, Cedar Rapids and Northern R. R. Co.	Car tickets Department publications. Passenger transportation Transportation do	2.8
	Total first quarter		3,310.2
Oct. 1	Rudolph, West & Co	Hardware	14.6 2.2 6.0
JCU. 1	Rudolph, West & Codo	Stable buckets	2.2
	E.B. French	Feed boxes Lighting groundsdo	6.0
	United States Electric Lighting Co	Lighting grounds	77. 8
	do	do	77.5 77.8 2.2
	Francis Miller	Oil	2.2
	C. Becker	Stable supplies	34.1
	do E. B. French United States Electric Lighting Codo Francis Miller C. Becker Z. D. Gilmando W. B. Moses & Sons J. T. Tomson M. Du Perowdo R. C. Ballantyne	Stable supplies Rubber-stamp material Recipe	1. 8 21. 2
	W R Moses & Sone	Duetore	21 9
	J T Tomson	Embossing	27.0
	M. Du Perow	Recipe Dusters Embossing Electric supplies do Pens, etc	7.0
	do	do	7. 0 7. 8
	R. C. Ballantyne Washington Gas Light Co Schondan & Harris The Maurice Joyce Engraving Co E. Morrison Paper Co. W. H. Veerhoff The Smith Premier Typewriter Co.	Pens, etc	15.6
	Washington Gas Light Co	Gas.: Horseshoeing Engraving	24. 2 1. 5
	Schondan & Harris	Horseshoeing	1.5
	The Maurice Joyce Engraving Co	Engraving	1.8
	E. Morrison Paper Co	Bands	31. 9 20. 0
	The Smith Promise Transvistor Co	Bands Framing pictures Typewriter and card attach-	94. 8
	The Smith Tienner Typewriter Co	ment.	OT. C
	Easton & Rupp	Stationery supplies	114.8
	Louis Hartig	Horseshoes	5.8
	Mamie Lewis	Washing towels	44.0
3	Safety Bottle and Ink Co	Paul's writing fluid	6.8
	John Underwood & Co	Ink	6. ( 1, 157. ( 11. (
	W. H. Baum	Coal	1,157.0
,	J OSEPHINE A. CIATK	Traveling expenses	18.4
$\frac{4}{5}$	Standard Oil Co	Renzine	18.
6	Easton & Rupp Louis Hartig Mamie Lewis Safety Bottle and Ink Co John Underwood & Co W. H. Baum Josephine A. Clark J. H. Brigham Standard Oil Co Harris & Shafer M. W. Beveridge W. M. Galt & Co B. F. T. Bell James Wilson United States Electric Lighting Co.	Stationery supplies Horseshoes Washing towels Faul's writing fluid Ink Coal Traveling expensesdo Benzine Repairing clocks Hampers Feed Batons Traveling expenses Lights, etc	8.8
0	M. W. Beveridge	Hampers	6.9
	W. M. Galt & Co	Feed	78.6
	B. F. T. Bell	Batons	78. ( 3. (
	James Wilson	Traveling expenses	30. 1 112. 1 11. 1 1. 1
8	United States Electric Lighting Co	Lights, etc	112.7
	do	do	11.
	The Maurice Joyce Engraving Co	Engraving	1.8
14	United States Express Co	Dies	5
14	Rudolph West & Co	Water cooler etc	19.
	Washington Gas Light Co	Gas	7. 24.
	United States Electric Lighting Codo The Maurice Joyce Engraving Co. Thos. Somerville & Sons. United States Express Co. Rudolph, West & Co. Washington Gas Light Co. Schondan & Harris I. P. Roosa Holyoke Envelope Co The Okonite Co., Limited Great Falls Ice Co. R. C. Ballantyne Jno. C. Parker	Traveling expenses Lights, etc. do Engraving Dies Transportation Water cooler, etc. Gas. Shoeing horses Services Envelopes Wire	1.3
17	I. P. Roosa	Services	75.
18	Holyoke Envelope Co	Envelopes	75. 5.
	The Okonite Co., Limited	Wire	21.
20	Great Falls Ice Co.	[co	88.
24	R. C. Ballantyne	Stationery supplies	75.
	Jno. C. Parker	Stationery suppliesdo Passenger transportation	302.
	Chicago and Northwestern Rwy. Co. Burlington, Cedar Rapids and Northern	Passenger transportation	13.
	Burlington, Cedar Rapids and Northern		2.8
	R. R. Co. Erie R. R. Co. Pater Hager		. 4.0
	Erie R. R. Co Peter Hager		

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,\ 1899-{\bf Cont'd}.$

#### CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.		Ink. Stable supplies Oak case Towels. Portfolio. Rent of boxes Blotting paper. Washing towels. Electric-light shades. Repairing typewriter and paper Glasses, etc Soap and camphor Electric lamp. Rubber bands Feed	
ct. 28	Geo. F. Muth & Co.	Ink	\$4.
31	Vauman & Erha Manufacturing Co	Stable supplies	30.
fov. 1	C. Becker Yawman & Erbe Manufacturing Co Rufus P. Clark	Towels	67.
101. 1	Jas. S. Topham	Portfolio	6.
	Jas. S. Topham Instantaneous Fire Alarm Co	Rent of boxes	15.
	Austin Smith Mamie Lewis J. H. Bunnell & Co Jno. C. Parker Mockell Breez	Blotting paper	21
2 3	Mamie Lewis	Washing towels	48. 7. 53.
3	J. H. Bunnell & Co	Electric light shades	7.
	Jno. C. Parker	Repairing typewriter and paper	53,
	Mackall Bros	Glasses, etc	21.
	Mackall Brosdo United States Electric Lighting CoE. Morrison Paper Co. Wm. H. Galt & Co. United States Electric Lighting CoJ. R. Buckelew Washington Gas Light CoThe J. F. W. Dorman CoW. H. Veerhoff Henry E. Alvord W. P. Cutter The Maurice Joyce Engraving CoChurch & Stephenson Easton & Rupp Wyckoff, Seamans & Benedictdo Jas. B. Lambiedododododo	Floatrie lamp	7. 10.
7	E Morrison Paper Co	Rubber bands	39.
	Wm. H. Galt & Co	Feed	66.
	United States Electric Lighting Co	Light for grounds and building.	124.
	J. R. Buckelew	Typewriter and repairs	90.
8	Washington Gas Light Co	Gas	30.
9	The J. F. W. Dorman Co	Stamp rubber	41.
11	W.H. Veerhoff	reed Light for grounds and building. Typewriter and repairs. Gas. Stamp rubber Picture rod and hook Traveling expenses	5. 82.
11	W D Cutton	Traveling expenses	82. 22.
14 16	The Maurice Toyee Engraving Co	Engraving	1
10	Church & Stephenson	Traveling expenses do Engraving Lumber Stationery supplies Repairs to typewriter do Hardware, etc Scissors and shears Glac and wire	1.
	Easton & Rupp	Stationery supplies	26.
	Wyckoff, Seamans & Benedict	Repairs to typewriter	11.
	do	do	11. 6.
Y	Rudolph, West & Co	Hardware, etc	13.
	Jas. B. Lambie	Scissors and shears	15.
	do	Glue and wire Chamois skins Cord, casters, etc	14. 12. 2.
	do	Chamois skins.	12.
	do	Sorow over	<i>a.</i>
	do d	Screw eyes Ice Glue, ink, etc	72. 13.
	Geo. F. Muth & Co	Glue, ink, etc	13.
	Schondan & Harris	Horseshoes	1.
	Wm. J. Zeh	Coal	17. 17. 150.
21 29	American Machinery Co	Trimmer	150.
29	Elsie E. Lower	Hemming towels	1.
00	J. H. Brigham	Traveling expenses	1. 15. 3. 3.
30	American Machinery Co- Elsie E. Lower J. H. Brigham Library Bureau do 	Trimmer Hemming towels Traveling expenses Index cards do Coal	3.
ec. 1	Wm I Zoh	Cool	51.
00. 1	do	do	60
	Mamie Lewis	Washing towels	60. 47.
2	J. R. Galloway	Electric fans	90.
	Talloway Fred A. Schmidt The J. C. Ergood Co Western Union Telegraph Co	Magnifying glass	1.3
	The J. C. Ergood Co	Soap	8.
	Western Union Telegraph Co	Telegraph service	13.
- 1	C. R. Edmonston	Cooler	2.5 5.1 12.5
	M. D. Danass	Tape	19.
	R. C. Rallantyna	Pane ate	10.
	Thos. Somerville & Son	Boiler compound	10.
	Louis Hartig	Horseshoes, etc.	8.
	J. P. Nawrath	Twine	10,
5	Burrelle's Press Clipping Bureau	Clippings	15.0
6	W. M. Galt & Co	Feed	98.
	Schondan & Harris	Horseshoeing	1.
e	Capital Traction Co	Car tickets	41.
6 8	Vawmen & Fuho Manufacturing Co	Conving paper	10. 18.
0	Z D Gilman	Oil	18.
	Rudolph, West & Co	Tubing, hardware, etc.	38.9
- 6	Pennsylvania Company	Passenger transportation	35.
	Chicago and Northwestern Rwy Co	do	35. 0 24. 9
	Baltimore and Ohio R. R. Co	do	17 (
10	Mackall Bros	do Coal do Washing towels Electric fans Magnifying glass Soap Telegraph service Cooler Tape Electric supplies Pens, etc Boiler compound Horseshoes, etc Twine Clippings Feed Horseshoeing Car tickets Traveling expenses Copying paper Oil Tubing, hardware, etc Passenger transportation do do Brushes, soap, etc Lighting grounds and buildings	29. 5 53. 2
	Great Falls Ice Co	Ice	53.2
	United States Electric Lighting Co	Electric current	146.9
	Mestern Union Telegraph Co C. R. Edmonston R. P. Clarke M. Du Perow R. C. Ballantyne Thos. Somerville & Son Louis Hartig J. P. Nawrath Burrelle's Press Clipping Bureau W. M. Galt & Co Schondan & Harris Capital Traction Co W. P. Cutter Yawman & Erbe Manufacturing Co Z. D. Gilman Rudolph, West & Co Pennsylvania Company Chicago and Northwestern Rwy Co Baltimore and Ohio R. R. Co Mackall Bros Great Falls Ice Co United States Electric Lighting Co do Washington Gas Light Co Easton & Rupp Geo. S. Waldo Lutz & Co F. P. May & Co Wyckoff, Seamans & Benedict E. Morrison Paper Co The Smith Premier Typewriting Co do	Lighting grounds and buildings Electric current. Gas	8.] 33. 6
	Easton & Rupp	Envelopes	80.6
13	Geo. S. Waldo	Traveling expenses	18.8
14	Lutz & Co	Carriage candles	1.1
	F. P. May & Co	Gas Envelopes Traveling expenses Carriage candles Saw, etc Repairs to typewriter, etc Cardboard Typewriter Typewriter, etc	. 6
	Wyckoff, Seamans & Benedict	Repairs to typewriter, etc	4.
	E. Morrison Paper Co	Cardboard	3.

#### CONTINGENT EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1898.		C.	40.05
Dec. 14	The McDermott Carriage Co	Glass	\$3.25 94.75 50.00
17	Lutz & Co	Harness	50.00
~ "	W. M. Sigourney	Washing towels	5. 15
	M. H. Baum. Lutz & Co W. M. Sigourney. W. M. Sigourney. Wash. B. Williams. J. A. Simmons Chicago and Alton R. R. Co. C. S. Pasieted	Coal Harness Washing towels Shades Washing towels Personger transportation	7.00 17.44 6.05
19	Chicago and Alton R. R. Co	Washing towels Passenger transportation Pencils Numbering machine Kalsomine Horseshoes Electric fans and casing Traveling expenses	6.05
20	Chicago and Alton R. R. Co C. S. Braisted E. J. Brooks & Co C. A. Woolsey Paint and Color Co Louis Hartig J. R. Galloway J. H. Brigham Milton Whitney L. G. Orndorff C. Schneider's Sons Wyckoff, Seamans & Benedict Johnson Bros C. Becker	Pencils	18.20 8.40 7.00 2.90
	E. J. Brooks & Co.	Numbering machine	8.40
21	C. A. Woolsey Paint and Color Co	Horseshoes	7.00
	J R Galloway	Electric fans and casing	116.25
22	J. H. Brigham	Traveling expenses	116.25 17.25 64.80
23	Milton Whitney	do	64.80
ಜಾ	C Schneider's Sons	Kers	4.50 1.50
	Wyckoff, Seamans & Benedict	Electric fans and casing Traveling expenses do Whips Keys Repairs to typewriter Wood Stable supplies Moving elevator	6.00
20	Johnson Bros	Wood	105.56
28	C. Becker Jas. H. Grant	Moving clovetor	28.85 146.00
	Jas. H. Grant	Moving elevator	140.00
	Total second quarter		5,851.06
1800			
1899. Jan. 3	Francis Miller	Gold leaf Electric supplies Rubber bands Clippings Tape Transportation Electric supplies Trausportation Traveling expenses Coupé rockaway Coal Stamp rubber Daters Envelopes Shades and holders Washing towels	3.50
oun.	M. Du Perow	Electric supplies	41.71
	E. Morrison Paper Co	Rubber bands	41.71 83.41 33.26
4	The Chicago Press Clipping Bureau	Clippings	33.26 6.06
-	United States Express Co	Transportation	6.96 13.25
	Royce & Marean	Electric supplies	15.42
	The Geo. W. Knox Express Co	Transportation	12.41
	The Andrew J. Joyce Carriage Co.	Coupé rockaway	5.00 775.00
	Wm. J. Zeh	Coal	71.75
5	The J. F. W. Dorman Co	Stamp rubber	41.00
	Francis Miller M. Du Perow E. Morrison Paper Co. The Chicago Press Clipping Bureau R. P. Clarke United States Express Co Royce & Marean The Geo. W. Knox Express Co. Geo. S. Waldo The Andrew J. Joyce Carriage Co Wm. J. Zeh The J. F. W. Dorman Co. do Holyoke Envelope Co. Jas. H. Callender J. A. Simmons	Daters	18.00
	Jas. H. Callender	Shades and holders	16.25 11.00
	J. A. Simmons	Washing towels	26.80
6	J. A. Simmons Chicago and Northwestern Rwy. Co Lake Shore and Michigan Southern Rwy.	Passenger transportation	11.08
			7.00
	Houston and Texas Central R. R. Co Baltimore and Ohio R. R. Co Pennsylvania R. R. Co Burrelle's Press Clipping Bureau W. M. Galt & Co Jos. A. Renehan Ernest Betz W. H. Bann	do	8.25
	Baltimore and Ohio R. R. Co	do	21.00 17.00
7	Rurrelle's Press Clipping Rureau	Clippings	15.00
	W. M. Galt & Co-	Feed	54.67
10	Jos. A. Renehan	Bay horse	175.00
10	W H Pour	Elbows	2.00 570.92
11 12	I.P. Rocsa	Service	75.00
	Z. D. Gilman	Horse medicine	1.65
	Jos. A. Renehan Ernest Betz W. H. Baum I. P. Rocsa. Z. D. Gilman Estate of M. W. Beveridge The Geo. W. Knox Express Codo United States Electric Lighting Codo	Elbows Coal Service Horse medicine Umbrella stand Transportation do Lighting buildings Lamps Electric current Telegraph service	1.60
	do do	do do	3.25 .75 173.58
13	United States Electric Lighting Co	Lighting buildings	173.58
	do	Lamps	18.30
	do do Postal Telegraph Cable Co Western Union Telegraph Co Washington Gas Light Co Chesapeake and Potomac Telephone Co United Typewriter and Supplies Co E. M. Tilden	Electric current	9.46 1.99
	Western Union Telegraph Co	Telegraph service	19.38
16	Washington Gas Light Co	Gas	31.00
	Chesapeake and Potomac Telephone Co	Moving telephones	2,00
1	E M Tilden	Repairs to typewriter	.50
	Wyckoff, Seamans & Benedict	Repairs to typewriter	1.45 11.55
17	E. M. Tilden  Wyckoff. Seamans & Benedict Chicago Press Clipping Bureau LH Brigher	Clippings	11.55 36.28 26.55
19	J. H. Brigham	do Gas Moving telephones Repairs to typewriter Stamp rack Repairs to typewriter Clippings Traveling expenses Car tickets Ice	26.55
	Great Falls Ice Co	Tee	41.50 49.63
	Albert Kahlert & Co	Altering and sewing carpets	98 01
90	W. B. Moses & Sons	Altering and sewing carpets Dusters, shades, etc Putty Washing towels	43. 40
20	J A Simmons	Putty	43. 40 3. 00 18. 28
21	C. Becker	Pole straps	18.28
	Instantaneous Fire Alarm Co	Rent, boxes	15.00
25	W.P. Cutter	Traveling expenses	7 50
26 28	Chicago Press Clipping Bureau J. H. Brigham Capital Traction Co Great Falls Ice Co Albert Kahlert & Co W. B. Moses & Sons Geo. F. Muth & Co J. A. Simmons C. Becker Instantaneous Fire Alarm Co W. P. Cutter The Evening Star Newspaper Co Jno. C. Parker do	Washing towels Pole straps Rent, boxes Traveling expenses Advertising for coupé Stationery supplies do	. 60
~~	do	do	756. 79 211. 77
1			WII. 11

#### CONTINGENT EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 28	Adams Express Co	Transportation	\$6.25
30	Pennsylvania Company Baltimore and Ohio R. R. Co	Passenger transportationdo	20.60 17.50 10.00
50	Baltimore and Ohio R. R. Co	dodo	10.00
	Lake Shore and Michigan Southern Rwy.	do	9.63
	Co		
	New York, New Haven and Hartford R. R.	do	10.00
	Co.	Climings	8.00
Feb. 1	Allen's Press Clipping Bureau- New York Central and Hudson River R. R.	Clippings	10.40
100. 1		I tobbonger trumper total	10, 10
	Co. Jno. P. Nawrāth R. Carter Ballantyne Southern Rwy. Co. United States Express Co United States Express Co LF. Sweeney Estler Bros. & Co. J. A. Simmons	do	8.25
	Jno. P. Nawrath	Twine Stationery supplies Passenger transportation Transportation Carrots	20.63
3	R. Carter Banantyne	Beggenger transportation	87.11 38.30
9	United States Express Co	Transportation	3.60
	J. F. Sweenev	Carrots Matches Washing towels Hardware Mops. etc Pearline, soap, etc Soap, brooms, etc	3.00
	Estler Bros. & Co	Matches	3.00 7.05
	J. A. Simmons Rudolph, West & Co do J. C. Ergood Co	Washing towels	28 41
6	Rudolph, West & Co	Hardware	- 16.00
	T. C. Enganda Co	Mops, etc	10.60
	J. C. Ergood Co	Pearline, soap, etc	43.73 36.57
	do United States Electric Lighting Co do do	Electric lights building	113 02
	do	Electric lights, building Electric lights, museum Electric lights, grounds	113. 02 5. 04 77. 50
	do	Electric lights, grounds	77.50
8	do Specialty Soap Manufacturing Co Geo. Meier & Co The Houghton Co C. E. McCoy M. Du Perow do F. P. May & Co C. Becker Wm. H. Baum W. M. Galt & Co I. P. Roosa J. A. Simmons	Soap Bronze Shades	6.75 2.70 8.80
	Geo. Meier & Co	Bronze	2.70
	C F MaCov	Shades Gould's packing Electric supplies do Gilt nail Storm covers etc Coal and wood Feed Expanses	8, 80 34, 40
	M Du Perow	Electric supplies	8.64
	ĝo	do	4. 12
10	F. P. May & Co.	Gilt nail	1.00
	C. Becker	Storm covers, etc	12.93
	Wm. H. Baum	Coal and wood	12.93 573.91 99.15
1.0	W. M. Galt & Co	Feed	99.15
16 17	J. A. Simmons	Washing towels	23.40 23.15
20	J. H. Brigham	Expenses Washing towels Traveling expenses Wire	7.88
23	The Okonite Co., Limited	Wire.	7.88 22.25 17.28
	Chadwick Copying Book Co	Copying books	17.28
	National India Rubber Co	Copying books Wire cable lead Clippings	3.25
24	Chicago Press Clipping Bureau	Chippings	30.37 12.60
A±	Pater Hager	Horeachoes	18.75
25	Western Union Telegraph Co	Telegraph service	24. 71
	J. A. Simmons J. H. Brigham. The Okonite Co., Limited Chadwick Copying Book Co National India Rubber Co. Chicago Press Clipping Bureau Library Bureau Peter Hager. Western Union Telegraph Co. do Z. D. Gilman	Cards Horseshoes Telegraph servicedo	24.71 28.02
	Z. D. Gilman	Recipe	2.35 $65.54$
	Wm.J.Zeh	Coal Chamois skins, etc Photos, Secretary Rusk	65.54
	Gilbert Photo Co	Photos Secretary Rusk	56.79 1.25
	Washington Gas Light Co	Gas	31.90
	Z. D. Gillman Wm. J. Zeh Jas. B. Lambie Gilbert Photo. Co Washington Gas Light Co M. Du Perow. Chesapeake and Potomac Telephone Co do	Telephone service	24. 00 100. 46
	Chesapeake and Potomac Telephone Co	Telephone service	100.46
	do	do	79.63
1	do	Gasalina	1.76 1.50
	W H Veerhoff	Molding	3.60
	E. M. Tilden	Pads, etc Ink, etc Ice	21,00
	Easton & Rupp	Ink, etc	23. 92 46. 75
	Great Falls Ice Co	Ice	46.75
	Dr. 1-11 D	Soap dishes	3.30
1	Mackall Bros	Matches etc	34.25
	Thos. Somerville & Sons	Soap dishes Soap Matches, etc Boiler compound Passenger transportation Engraved plates Stamp moistener	6. 65 32. 25
28	Louisville and Nashville R. R. Co.	Passenger transportation	14.50
	The Maurice Joyce Engraving Co	Engraved plates	1.50
	The Office and Library Co	Stamp moistener	. 60 7. 59
	Mackail Brosdo	Clock	7.59
	E M Tilden	Stamping ink	2.70
Mar. 1	Robachers Disinfectant Co	Powder	17.59 2.70 15.00
	Baltimore and Ohio R. R. Co	Passenger transportation	45, 50
	Denver and Rio Grande R. R. Co	do	12.50 10.85
	Texas and New Orleans R. R. Co	Clock Clock and repairs Stamping ink Powder Passenger transportation do do	10.85
0	W. P. Moses & Sons	Dustons oto	22.65 65.20
. 2	d0 E. M. Tilden Robachers Disinfectant Co. Baltimore and Ohio R. R. Co. Denver and Rio Grande R. R. Co. Texas and New Orleans R. R. Co. Texas and New Orleans R. R. Co. W. B. Moses & Sons R. Carter Ballantyne C. S. Braisted Jas. Wilson	Dusters, etc	36.79
3	C. S. Braisted	Pencils	36.79 3.00
	Jas. Wilson	Traveling expenses	53.04

#### CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar.	J. A. Simmons	Washing towels	\$18.29
	Jno. Underwood & Co	Typewriter ribbons	2.40 1.70
	J. A. Simmons Jno. Underwood & Co. C. A. Woolsey Paint and Color Co. United States Electric Lighting Co.	Graining color Electric lights Transportation	69.80
	C. A. Woolsey Paint and Color Co. United States Electric Lighting Co. United States Express Co. W. M. Galt & Co. M. G. Copeland & Co. Smith Premier Typewriter Co. Cleveland Cycle Co. Chesapeake and Potomac Telephone Co.	Transportation	7.08
	W. M. Galt & Co.	Oats.	26, 40
	M. G. Copeland & Co	United States flag Repairs	11.25
	Smith Premier Typewriter Co	Repairs	. 50 50. 00
	Chesaneska and Potomas Talanhona Co	Moving telephone	1.00
10	Cleveland, Lorain and Wheeling Rwy, Co.	Passenger transportation	4.65
_	Chesapeake and Potomac Telephone Co. Cleveland, Lorain and Wheeling Rwy. Co. Boston and Maine R. R. Co. United States Electric Lighting Co. W. H. Baum J. T. Thompson M. Du Perow Southern Rwy. Co. Chicago Press Clipping Bureau Fredk. Springmann do. do.	Repairs Bicycle Moving telephone Passenger transportation do Electric current, building Coal Stamping paper	6.99
	United States Electric Lighting Co	Electric current, building	88.95
	W. H. Baum	Stamping papar	381.69
1.	M. Du Perow	Dry batteries	57.00 18.34
-	Southern Rwy. Co	Passenger transportation	55.00
13	Chicago Press Clipping Bureau	Clippings	18.03
1-	Fredk.Springmann	Stamping paper Dry batteries Passenger transportation Clippings Transportation do	. 80 . 72
	do	do	. 40
	Capital Traction Co	do Street-car tickets Gas	41. 50
1	Washington Gas Light Co	Gas	34, 40
	U. Becker	Repairs to harness	22.20 7.00
	Smithsonian Institution	Transportation exchanges	15.05
10	Burrelle's Press Clipping Bureau	Clippings	75.98
	W.P. Cutter	Traveling expenses	21.25
1	C. Beckerdo Smithsonian Institution Burrelle's Press Clipping Bureau W. P. Cutter E. Morrison Paper Co Easton & Rupp Rudolph West & Codo Fred A. Schmidt Z. D. Gilman F. P. May & Co J. A. Simmons J. P. Nawrath Allen's Press Clipping Bureau Wm Lewis	Transportation, exchanges Clippings Traveling expenses Rubber bands Scrapbooks, etc Repairs and shoeing horses. Chest lock etc	138.33 26.84
	Rudolph West & Co	Renairs and shoeing horses	25. 27
	do	Chest lock, etc.	. 51
	Fred A. Schmidt	Pencils	11.25
	Z. D. Gilman	Shellac, etc	7.53 1.57
	J. A. Simmons	Washing towels	24.05
	J.P. Nawrath	Twine	16.50
	Allen's Press Clipping Bureau	Clippings	16.00
18	Wm Lewis The Andrew J. Joyce Carriage Codo The White, Corbin & Co. Brown Bros Wm. J. Zeh The Geo. W. Knox Express Co Juo R. Gallower	Repairs and shoeing horses. Chest lock, etc. Pencils. Shellac, etc. Files Washing towels. Twine Clippings Repairing chair, etc. Repairing coupe. Collars, etc. Manila envelopes. Carrots	$\frac{1.00}{98.50}$
10	do	Collars, etc.	24.00
20	The White, Corbin & Co	Manila envelopes	37.60
	Brown Bros	Carrots	2.50 77.47
9	The Goo W Knoy Eyppass Co	Carrons Coal Transportation Electric supplies Coal Passenger transportation Frame Modding	1.84
2: 2: 2: 2:	Jno. R. Galloway Wm. H. Baum Baltimore and Ohio R. R. Co A. P. McElroy Belt & Dyer Jno. C. Parker	Electric supplies	6.00
2:	Wm. H. Baum	Coal	397. 95 22. 75 2. 00
28	Baltimore and Ohio R. R. Co	Passenger transportation	22.75
	Belt & Dyer	Molding	2.00 13.50
30	Jno. C. Parker	Typewriter supplies, etc Stationery Hemming towels	114,00
	do	Stationery	272.52 2.40
	Elsie E. Lower	Hemming towels	2.40
	Total third quarter		8, 508.20
Apr.	The White, Corbin & Co. The J. T. W. Dorman Co. Safety Bottle and Ink Co. J. P. Nawrath Louis Hartig Ernest Betz Wm. J. Zeh The White, Corbin & Co. J. R. Buckelew	Envelopes Rubber-stamp material Ink Twine Horseshoes Grate for stable Coal Envelopes Typewriter supplies Letter paper Typewriter Oil	8.82
	The J. T. W. Dorman Co	Rubber-stamp material	2.70
	Safety Bottle and Ink Co	Ink	6.80
	J. P. Nawrath	Twine	49.38
	Ernest Betz	Grate for stable	2.90 .50
	Wm. J. Zeh	Coal	54.48
:	The White, Corbin & Co	Envelopes	117.50
	J. R. Buckelew	Typewriter supplies	17.50
	do	Typewriter	16.80 90.00
	Standard Oil Co	Oil	4.24
	Claveland Cycle Co	Benzine	4, 51
	Wyckoff, Seamans & Benedict	Repairing bleyele	1. 25 10. 75
	The Office and Library Co.	Binding cases.	9.80
		Typewriter Oil Benzine Repairing bicycle Repairing typewriter Binding cases Clocks Thread	19 50
	I.A. Simmons	Thread	4.25
(	C.S. Braisted	Pencils	32.11 14.46
	Austin Smith	Blotting paper	21.60
4.	Yawman & Erbe Manufacturing Co	Cards	2.15
10	R. P. Clarke J. A. Simmons C. S. Braisted Austin Smith Yawman & Erbe Manufacturing Co. Jas. S. Topham The Maurice Joyce Engraving Co.	Clocks Thread Washing towels Pencils Blotting paper Cards Satchel Engraving	6.50
	The manife solve pugraving Co	Engraving	1.50

#### CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
pr. 10	Rudolph, West & Co W. M. Galt & Co Great Falls Ice Co Maurice Joyce Engraving Co. Z. D. Gilman	Casters, etc	\$1. 76.
1.0	W. M. Galt & Co	Feed	76.
12	Mannico Lorgo Engraving Co	Feed Ice Engraving Oil Brnshes, etc Gas Copying books Gas Electric current Alcohol Envelopesdo	54.
15	Z. D. Gilman	Oil	3. 1.
1.0	Hugh Reilly	Brushes, etc	6.
	Washington Gas Light Co	Gas	29. 45.
	Chadwick Copying Book Co	Copying books	45.
4.70	Washington Gas Light Co	Gas	5. 96. 22.
17 18	United States Electric Lighting Co	Electric current	96.
1.8	The American Distributing Co	Alconol	22. 16.
	Ao	do	Q
	F W. McNeal	Typewriter, etc	101. 4. 12. 13.
	C. Becker	Carriage clock	4.
	Rudolph, West & Co	Brooms, locks, etc	12.
	Mackall Bros	Sponges	13.
	Chesapeake and Potomac Telephone Co	Moving telephone	1.
	Rufus P. Clarke	Towels and thread	61.
	William Lewis	Repairing chairs	1.
19	An	Brooms, locks, etc. Sponges Moving telephone Towels and thread Repairing chairs Traveling expenses Wood Coal Embossing Rent of boxes Washing towels Traveling expenses Clippings Envelopes do Hardware do	24. 114.
	W H Baum	Coal	382
21 22	J. T. Thomson	Embossing.	382. 11. 15.
4.4	Instantaneous Fire Alarm Co	Rent of boxes.	15.
	Josephine A. Simmons	Washing towels	25.
	J. H. Brigham	Traveling expenses	13.
0.1	The Chicago Press Clipping Bureau	Clippings	10.
24	Holyoke Envelope Co	Envelopes	13.
	The white, Corbin & Co	Handmana	61. 11.
	do	do	4.
	United States Electric Lighting Co	Arclamps	76.
	Rufus P. Clarke	Cheese cloth	1.
	W. B. Moses & Sons	Dusters and shades	21.
	Louis Hartig	Tacks	22.
25	Baltimore & Ohio R. R. Co	Passenger transportation	22.
20	Central R. R. Co. of New Jersey	do Arc lamps Cheese cloth Dusters and shades Tacks Passenger transportation do Rubber bands Repairs to surrey Stationery supplies Pencils Stamp rubber	6.
28	E. Morrison Paper Co.	Rubber bands	43.
	The Andrew J. Joyce Carriage Co	Repairs to surrey	45.
29	C. S. Braisted	Pencils	34. 7.
ay 1	The J. F. W. Dorman Co	Stamp rubber	41.
	Royce & Marean	Electric supplies	8.
	J. E. Bromwell & Sons	Repairing pitcher	32.
2 3	Josephine A. Simmons	Towels	32.
9	J. R. Buckelew	Desk	9.
	Chesapeake and Potomac Telephone Co	Telephone service	132. 6.
4	Pudolph Wort & Co	Horacahoo maila	11.
4	W B Moses & Sons	Cuchions	4
	Rufus P. Clarke	Pencils Stamp rubber Electric supplies Repairing pitcher Towels Desk Telephone service do Horseshoe nails Cushions Thread Metal case	4. 5.
	J. R. Buckelew	Metal case	2
	Jas. B. Lambie	Hooks	75
8	I. P. Roosa	Services, Jan. 1 to Mar. 31, 1899	75.
11	W. M. Galt & Co	Feed	63.
	Albert Kohlert & Co	Stationery supplies	36.
16	Jac Wilson	Feed Stationery supplies Laying carpet Traveling expenses	4. 29.
17	Rufus P. Clarke J.R. Buckelew Jas. B. Lambie J.P. Roosa W. M. Galt & Co Easton & Rupp Albert Kahlert & Co Jas. Wilson Great Falls Ice Co United States Electric Lighting Co Geo. Meier & Co	Traveling expenses  Ice Lighting grounds Lights and fans in buildings Bronze Alcohol Clippings Transportation Washing towels Clippings Brushes, etc Gas Stationery supplies	59.
11	United States Electric Lighting Co.	Lighting quoranda	74.
	do	Lights and fans in buildings	74. 65.
	Geo. Meier & Co	Bronze	5.
18	The American Distributing Co.	Alcohol	5. 92. 68.
10	Burrelle's Press Clipping Bureau	Clippings	68.
19 20	do Geo Meier & Co The American Distributing Co. Burrelle's Press Clipping Bureau Delaware, Lackawanua & West. R. R. Co Josephine A. Simmons The Chicago Press Clipping Bureau C. R. Edmonston Washington Gas Light Co Jno. C. Parker W. P. Cutter The Washington Post Co Capital Traction Co The Chesapeake and Potomac Telephone Co Rufus P. Clarke Mackall Bros do C. Becker Louis Hartig	Washing towals	35.
24	The Chicago Press Clipping Rureau	Clippings	25, 8.
647£	C. R. Edmonston	Brushes etc	8. 5.
	Washington Gas Light Co	Gas	23.
26	Jno. C. Parker	Stationery supplies	408.
	W.P. Cutter	Gas Stationery supplies Traveling expenses Advertising Car tickets Telephone service'. Carriage covers Brushes and combs Glasses Whip and hoof packing Horseshoes	23. 408. 29.
ine 1	The Washington Post Co	Advertising	10.
	Capital Traction Co	Car tickets.	41.
	Rufus P. Clarko	Telephone service	. 1. 10.
	Wackall Bros	Brushes and combe	10.
	THE THE PARTY OF T	Classes	1.

#### CONTINGENT EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 1	M. Du Perow	Shade and motor brushes	\$5.50
	Easton & Rupp Postal Telegraph Cable Co	Scales: Telegraph service	2.70 1.60
	W. J. Zeh	Coal	33.26
	Fredk Springmann		.80
2	Baltimore and Ohio R. R. Co Cincinnati, Hamilton and Dayton Rwy. Co.	Passenger transportation do Advertising Stapling machines and scales Saw	16.00
	Cincinnati, Hamilton and Dayton Rwy. Co.	Advantising	1.55 17.00
	Wesley Manufacturing Co	Stanling machines and scales	5. 10
10	Jas. B. Lambie	Saw	1.15
13	The Press Co Wesley Manufacturing Co. Jas. B. Lambie C. Becker	Horse covers, etc	18.50
	R. P. Clarke	Linen desk covers Washing towels	4.00 24.86
	J. R. Buckelew	Adjusting typewriters, etc	3, 85
	E. Morrison Paper Co	Writing fluid	1.85
	Church & Stephenson	Lumber	20.30
	I B Kendall	Hoof pads	4.00 2.50
	Allen's Press Clipping Bureau	Clippings	16.00
	Library Bureau	Cards	7.80 14.91
	U.S. Braisted	washing towels Adjusting typewriters, etc Writing fluid Lumber Repairing clock Hoof pads Clippings Cards Pencils Traveling expenses do	14.91 17.20
16.	W. P. Cutter	do	4.00
20.	C. Becker R. P. Clarke Josephine A. Simmons J. R. Buckelew E. Morrison Paper Co. Church & Stephenson Harris & Shafer Co. J. B. Kendall Allen's Press Clipping Bureau Library Bureau C. S. Braisted J. H. Brigham W. P. Cutter Jas. Wilson do Rudolph, West & Co.	do	$\frac{4.00}{10.50}$
1"	Dadalah Wast & Ca	do	114 54
17	Rudolph, West & Co The Maurice Joyce Engraving Co	Locks Engraving plates Envelopes Mucilage	1.90 1.50
20		Envelopes	12.80
	Logan, Switt & Brigham Envelope Co- Easton & Rupp	Mucilage	12.80 10.23
	Great Falls Ice Co	Ice	73.64
	The Chicago Press Clipping Bureau	Clippings	86.40 21.12
	Josephine A. Simmons	Washing towels	32.00
21 24	The Columbia Rubber Works Co	Penholders	18, 50
24	Wyckoff, Seamans & Benedict Blue Line Transfer Co The Andrew J. Joyce Carriage Co Adams Express Co do do Southern Rwy. Co	Thomas antation	. 90
	The Andrew J. Joyce Carriage Co	Lamps	6.47 2.00
	Adams Express Co.	Transportation	21 90
	do	Transportation Lamps Transportationdodo Passenger transportationdo	18. 70 4. 85 88. 74 16. 50
27	Southern Rwy Co	Passanger transportation	4.85
~•	do		16.50
	South Carolina and Georgia R. R. Co	dodo	4. 25 10. 00
	do South Carolina and Georgia R. R. Co. New York, New Haven and Hartford R. R. Co.		10.00
	Co. Baltimore and Ohio R. R. Co Pennsylvania R. R. Co R. C. M. Burton Washington Gas Light Co. Thos. A. Ladson C. Becker R. C. Ballantyne United States Electric Lighting Co.	do	20.00
90	Pennsylvania R. R. Co	do	14.50
29	Washington Gas Light Co	do	35.62 22.50
	Thos. A. Ladson	Repairing clock	1.50
	C. Becker	Stable supplies	9.88
	R. C. Ballantyne	Stationery supplies	24.68
	do	Repairing clock Stable supplies Stationery supplies Lights and fans Lights for grounds	61.98 77.38
	•		
	Total fourth quarter		4, 469. 88
	Supplemental.		
July 6	Instantaneous Fire Alarm Co	Rent of boxes	15.00
	Johnson Bros		72.80 75.00
8	Josephine Simmons	Washing towels	25. 19
11	United States Electric Lighting Co	Lights and fans	95. 23
	W M Call & Ca	Lighting grounds	75.00
12	United States Express Co	Transportation	49.62
110	Jonson Bros. I. P. Roosa Josephine Simmons. United States Electric Lighting Codo. W. M. Galt & Co. United States Express Codododododo	do	20.88 22.10
	do	do do	9.00
1.4		'Telephone rent	2.8
14	The Automatic Telephone Exchange Co., Limited.	Telephone rent	3.00
18	Z. D. Gilman	Calomel Telephone service	1.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	135.90
10	do	do	6.2
19 21	Rudolph, West & Co Great Falls Ice Co The Bradstreet Co	Hair sweeps Lice Subscription	7.40
		100	103.43
	The Bradstreet Co	Subscription	75. C

#### CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1899.			
July 21	Washington Gas Light Co	Gas	\$17.4
	Cleveland Cycle Co	Repairing wheel	
20	Albert Kahlert & Co	Cleaning and storing carpets	60.9
28	M. Du Perow	Attaching plugs	2.
	Postal Telegraph Cable Co		3. 18.
	Western Union Telegraph Co	Set alphabet	10.
Aug. 2	Yawman & Erbe Manufacturing Co		14.
9	The Chesapeake and Ohio Rwy. Co Southern Rwy. Co	do	25.
	Jno. C Parker		41.
	Geo. F. Muth & Co.		1.
8	Allen's Press Clipping Co	Clippings	24.
11	Jno. C. Parker		2.
16	Adams Express Co	Transportation	6.
10	dodo		0.
	do		11.
	do		45.
18	do	do	56.
24	Royce & Marean	Tape	1.
14.1	The J. C. Ergood & Co	Soap and brooms	23.
ept. 1	Fredck. Springmann		· 1.
opt. I	Wyckoff, Seamans & Benedict	Adjusting typewriter	
	Fredck. Springmann	Hauling	2.
6	The Chesapeake and Ohio Rwy. Co	Passenger transportation	14.
15	Mackall Bros	Lve	1.
19	Burrelle's Press Clipping Bureau	Clippings	5.
20	Burrelle's Press Clipping Bureau United States Express Co	Transportation	
	do	do	1.
	do	do	4.
	do	do	16.
	do	do	3.
ct. 4	I.P. Roosa,	Expenses	25.
12	E. M. Tilden	Pad	2.
18	Adams Express Co	Transportation	8.
	do		. 8.
	do		18.
	The Geo. W. Knox Express Co	do	1.
ων. 6	Baltimore and Ohio Rwy. Co	Passenger transportation	19.
	Total		1, 292.

#### RECAPITULATION.

First quarter	\$3,310,29
Second quarter	5,851.06
Third quarter	8,508.20
Fourth quarter	4,469.88
Supplemental	1,292.23

#### QUARANTINE STATIONS.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 4	W. B. E. Miller et al Harry F. Hume	Salaries Labor	\$239. 10 19. 50
5 6	Edw. Pennock H. D. Mayne J. H. Linehan	ThermometerSalarydo	10.00
13 16	Jos. Hawkins D. Cumming Wm. H. Wade	do	
17 24 Sant 8	W. B. E., Miller H. D. Mayne R. J. O'Brien	Feed	2.52 51.59
Sept. 8	H. D. Mayne Harry F. Hume D. Cumming Wm. H. Wade	Labor Salary	101.10 19.50 55.00 75.80
20 21	Wm. B. E. Miller et al. H. D. Mayne Wm. B. E. Miller	Salaries Traveling expenses	239.10 4.72

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 21	Jos. Hawkins J. H. Linehan	Salary	\$48.00
22	Wm. B. E. Miller	Expenses	101. 10 7. 80
			1,315.28
	Total first quarter		1, 515. 26
Oct. 3	The Real Estate and Improvement Co	Rent of land	56.25
4	The Garfield Land Association	Salary	450.00 73.40
10	W. H. Wade Wm. B. E. Miller et al Patrick Dorsey Harry F. Hume	Salaries Labor	231.80
	Harry F. Hume	Labor	25.50 31.50
13	Jos. Hawkins J. H. Linehan	Salary	100.00
17	J. H. Linehan	do d	56.00 97.80
10	H. D. Mayne Wm. B. E. Miller A. G. G. Richardson	do	97.80
19	Wm. B. E. Miller	Traveling expenses	4. 15 3. 41
21 22	H.D. Mayne		10.42
22	Wm. B. E. Miller	Expenses	6.82 17.00
Nov. 3	A. G. G. Richardson H. D. Mayne Wm. B. E. Miller A. D. Melvin Wm. H. Wade Y. T. Zabriskie Wiles Ontwater	Salary	75. 80
	Y. T. Zabriskie	Expenses Traveling expenses Salary Repairing harness, etc Stable, rent.	8.50 8.00
4	Patck. Dorsey	Labor	15.00
7	H. F. Hume H. D. Mayne W. B. E. Miller et al Estate of J. A. Harwood Jno. Sheeran Joseph Hawkins D. Cumming H. D. Mayne W. B. E. Miller L. W. Phelps Chas. Hubinger Jno. Sheeran Howard Wilson	Salary	28.50 101.10
8	W. B. E. Miller et al	Pay roll, Garfield, N. J	239. 10
9	Estate of J. A. Harwood	Rent of land.	62.50
15	Jno. Sneeran Joseph Hawkins	Salary Pay roll, Garfield, N. J Rent of land Horseshoeing, etc Services	8. 90 76. 00
	D. Cumming	Traveling expenses	80.00
22	H.D. Mayne W.B. E. Miller	Traveling expenses	14. 87 2. 20
	L. W. Phelps	do. Lumber, etc General supplies Horseshoeing	149.50
Dec. 1	Chas. Hubinger	General supplies	26. 75 2. 00
	Howard Wilson	Stables, rent	5.00
2	H.D. Mayne Knowles Steam Pump Works The Anderson Lumber Co. W. H. Wade	Use of team	10.00 50.25
2	The Anderson Lumber Co.	Repairing pump Foundation walls, etc	20.01
3	W. H. Wade	Salary	73.40
5 6 7 9	R. J. O'Brien W. B. E. Miller et al Jos. Hawkins	Feed Pay roll, Garfield, N. J Salary Labor Salary do Traveling expenses Salary do do Traveling expenses Salary do do do Traveling expenses	24. 28 231. 80
7	Jos. Hawkins	Salary	32. 00 30. 00
9	H. F. Hume J. H. Linehan	Salary	35.87
	Benj. Howes	do	55.43
10	H. D. Mayne	Traveling expenses	34.75 97.80
12	H. D. Mayne D. Cumming	do	97. 80 105. 00
13 19	Benj. Howes	Traveling expenses	97.80 20.35
	H. D. Mayne	do.	11.12
22 23	Benj. Howes  do.  H. D. Mayne  W. B. E. Miller  Jos. C. Philbrook	Renairing wagon	$\frac{2.85}{9.50}$
A-0	A. M. Farrington	Repairing wagon	2.86
	Total second quarter		3, 110, 64
	Total second quarter		0,110.04
1899. Jan. 5	The Garfield Land Association	Rent of land	450.00
Jan. 5	Rudolph, West & Co		4.28
	Rudolph, West & Co W. H. Wade W. B. E. Miller et al	Salary	75. 80 239. 10
12	W. H. Butler	Glass.	6, 00
14	Jos. Hawkins	Salary	52.00 65.00
18	W. B. E. Miller et al. W. H. Butler Jos. Hawkins D. Cumming W. B. E. Miller A. G. G. Richardson The Real Estate Improvement Co. H. T. Hume	Shoveis and nails Salary Pay roll, Garfield, N. J. Glass Salary do Traveling expenses do Rent of land Labor Salary	65.00 7.40
	A. G. G. Richardson	do	9.73
19	H. T. Hume	Labor	56.25 40.50
	H. D. Mayne  do Benj. Howes	Labor Salary Traveling expenses Salary Traveling expenses Ax, saw, etc Stable rent Coal	101.10
	Beni, Howes	Traveling expenses	9. 12 101. 10
00	do	Traveling expenses	10.65
20 31		Ax, saw, etc	2.30 5.00
01	Howard Wilson Thatcher & Ireland Estate J. A. Harwood		12.50
1	Estate J. A. Harwood	Rent of land	62.50

#### QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
reb. 3	W. H. Wade New York and New Jersey Telephone Co. Chas. Foerster New York and New Jersey Telephone Co. Harry F. Hume Benj. Howes H. D. Mayne W. B. E. Miller et al D. Cumming W. B. E. Miller	Salary Telephone service	\$77.5
4	New York and New Jersey Telephone Co.	Telephone service	26.8
6	Vow Vork and Now Jorsey Tolophone Co.	Painting rooms Telephone service	15.0
0	Harry F Hume	Labor	28. 4 39. 0
	Beni Howes	Labor Salary do Pay roll, Garfield, N. J Salary Traveling expenses do Salary Traveling expenses do Balary Traveling expenses Repairs to pump	103.3
	H. D. Mayne	do	103.3 103.3 244.6
11	W.B.E.Miller et al	Pay roll, Garfield, N. J	244.6
16	D. Cumming	Salary	75.0
21 23	W. B. E. Miller Gibbs E. Clarke, administrator Joseph Hawkins	Traveling expenses	3.5
40	Joseph Hawkins	Salary	9.8 32.0
	H. D. Mayne	Traveling expenses	7.6
	Benj. Howes Walworth Construction and Supply Co- Poehlmann & Schneffe	do	4.1
24	Walworth Construction and Supply Co	Repairs to pump Fence posts	2.8 21.2
Iar. 1	P T O'Brian	Fence posts	52. 6
1ar. 1	R. J. O'Brien W. H. Wade H. F. Hume W. B. E. Miller et al	Feed Salary Labor Salaries	70.0
11	H. F. Hume	Labor	36.0
11 13	W. B. E. Miller et al	Salaries	-220.8
			. 93.4
	H. D. Mayne	do	93.4
16	H. D. Mayne D. Cumming F. C. Philbrook The Anderson Lumber Co.	Chaoing house	45. 0 10. 5
10	The Anderson Lumber Co	Renairing fences etc	163 1
17	W. B. E. Miller	Traveling expenses	2.7
	W. B. E. Miller Jas. Forsyth & Co H. D. Mayne D. Cumming	Repairs to buildings, fences, etc	2.7 58.7
22	H. D. Mayne	Traveling expenses	4.5 27.4
	D. Cumming	do do Shoeing horse Repairing fences, etc. Traveling expenses Repairs to buildings, fences, etc Traveling expenses do	27.4
	Total third quarter		2,982.7
pr. 6	Harry F. Hume W. H. Wade W. B. E. Miller et al Benj. Howes H. D. Mayne	Labor	22. 5 77. 5
-	W.H. Wade	Salary	77.5
0	W. B. E. Miller et al	Pay roll, Garfield, N. J. Salary do do Traveling expenses do Expenses	244.6
8	H D Mayna	Salary	103.3 103.3
	D. Cumming A. G. G. Richardson Benj. Howes W. B. E. Miller	do	100.0
17	A. G. G. Richardson	Traveling expenses	4.9 11.5
17 19	Benj. Howes	do	11.5
21	W. B. E. Miller	Expenses	4.4
21 24 29	E C Philhrook	Horseshoes	$\frac{3.5}{3.0}$
20	F. C. Philbrook H. J. Harwood	Traveling expenses Horseshoes Rent of land, January, February, and March.	62.5
	Miles Deed Floring and Co. C.	ary, and March.	F0 0
	The Real Estate and Improvement Co. of		56. 2
	Baltimore, Md. The Garfield Land Association	do	450.0
	Chas. A. Hunter	Rent of stable, January, Feb-	7.0
		ruary, and March.	
May 8	W. B. E. Miller et al	Pay roll, Garfield, N. J.	234.0
9	Benj. Howes H. D. Mayne	Salary	98. 9 98. 9
9	Harry F. Hume	do Rent of stable, January, February, and March. Pay roll, Garfield, N. J Salarydo Labor	19.5
	A. G. G. Richardson	Expenses	. 4
	Harry F. Hume A. G. G. Richardson D. Cumming	Expenses Traveling expenses	15.2
13	do H. D. Mayne	Salary	70.0
15 16	H. D. Mayne	Traveling expenses	18.6
18	Benj. Howes Wm. H. Wade et al Geo. F. Muth & Co	Day poll St Donis Md	4. 1 130. 4
une 1	Geo F. Muth & Co	Putty	190. 9
7	S. A. Holland	Building fences	137. 1 76. 6
7	Wm. H. Wade	Salary	76.6
	S. A. Holland Wm. H. Wade- Harry F. Hume	Labor	40. 6
	Beni Howes	Salary	102.2
8	D. Cumming Wm. B. E. Miller et al H. D. Mayne	Traveling expenses Salary Traveling expensesdo Pay roll, St. Denis, Md Putty Building fences Salary Labor Salary Salary Pay roll, Garfield, N. J Salary Traveling expensesdo	70.0
14	H.D. Mayne	Salary	242.0 102.2
	do	Traveling expenses	21.6
	Benj. Howes	do	14.2
		do	5.4
10	Wm. B. E. Miller		
19	H. D. Mayne	do	9. 5
19 20	W. B. E. Miller H. D. Mayne D. Cumming W. E. B. Miller	do	9. 5 16. 2
20	wm. B. E. Miller H. D. Mayne D. Cumming W. E. B. Miller D. Cumming	do	9. 5 16. 2
	Benj. Howes Wm. B. E. Miller H. D. Mayne D. Cumming W. E. B. Miller D. Cumming A. M. Farrington	dodododododododododo	9. 5

#### QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899. July 1 7 8 12 18 19	Supplemental.  C. A. Hunter W. B. E. Miller et al Harry F. Hume. Rawlings Implement Co. W. H. Wade. W. B. E. Miller A. G. G. Richardson Benj. Howes H. D. Mayne Garfield Land Association J. C. Philbrook G. T. Zabriskie	Salary Traveling expenses do do do for do Rent of land Shoeing horses	39.00 140.00 74.20 2.85 8.15 12.60 4.62 450.00 7.00
Aug. 2 Sept. 8 Oct. 7	Chas. Hubinger H. J. Harwood Real Estate and Improvement Co. of Baltimore. The New York and New Jersey Telephone Co. do M. J. Coman Total	Board fence	$ \begin{array}{r} 8.50 \\ 62,50 \\ 56.25 \\ 25.15 \\ 26.60 \\ 417.15 \\ \hline 1,581.22 \end{array} $

#### RECAPITULATION.

First quarter	\$1,315,28
Second quarter	3, 110, 64
Third quarter	2, 982, 77
Fourth quarter	2, 843, 47
Supplemental	1,581.22
Total	11,833.38

#### COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Harry T. Newcomb et al.	Salaries	\$5, 154 60
Aug. 2	E. T. Peters R. H. Troy		147.00 75.00
Aug. 2	W. H. Pleasants	do	20.00
	Jno. L. Cantwell		20.00
9	L. M. Erskine Henry Hawkins		50.00 20.00
	L. C. Dorgan, jr	do	25.00
11 19	W. O. H. Shepard	do	20.00
23	Earle Sloan Jno. C. Parker	Typewriter shuttles	25. 00 56. 00
31	Harry T. Newcomb et al	Salaries	5,048.50
Sept. 2	R. H. Troy	Salary	75.00
7	Jno. L. Cantwell Library Bureau	Tin tray	20.00
10	W. H. Pleasants	Salary	20.00
	L. M. Erskine	do	50.00
	W. O. H. Shepard L. C. Dorgan, jr		20.00 25.00
	Henry Hawkins	do	20.00
13 16	The White, Corbin & Co	Envelopes	29.75
20	E. T. Peters Earle Sloan	Salarydo	108.50 25.00
22	Willett & Gray	Subscription, Sugar Trade	15.00
	Miss William Co. 1.1 C. C.	Journal.	100 10
30	The White, Corbin & Co W. C. Duncan	Envelopes	103.12 250.00
	Jno. Cownie	do	200.00
	Kilburn Harwood	do	200.00
	Geo. Husmann H. H. Green	dodo	200.00 200.00
	Harry O. Garvey	do	175.00
	F. E. Dawley	do	175.00
	W. W. Miller Levi Chubbuck	do	175.00 175.00
	R. W. Furnas	do ,	175.00
	P. A Rogers	do	175.00

### $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\tt Cont'd.}$

#### COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total
1898.			
Sept. 30	W. J. Northen	Services	\$150
	R. H. Thomas	do	150
	E. E. Kaufman W. F. T. Bushnell Chas. H. Morse	do	150 150
	Chae H Morea	do	150
	Chas. H. Morse Jas. H. Lane S. S. Shepard W. A. Sherman A. V. R. Snyder W. A. Withers T. H. Reeves J. J. Corley D. B. Russell J. A. Hayden	do	137
	S. S. Shepard	do	125
	W. A. Sherman	do	125 125
	A. V. R. Snyder	do	125
	W. A. Withers	do	125
	T. H. Reeves	do	125
	J. J. Corley	do	125
	D. B. Russell	do	112
	F. F. Caratember	do	112 112
	Wm Nelson	do	100
	R H Troy	Salary	75
	C. L. Gold	Services	75
	Edwd. Wiggins	do	75
	H. W. Vail	do	75
	J. A. Tillinghast	do	75
	E.D. Howes	do	` 75
	Jno. J. Rosa	do	75
	D. B. Russell J. A. Hayden F. E. Carstarphen Wm. Nelson R. H. Troy C. L. Gold Edwd. Wiggins H. W. Vail J. A. Tillinghast E. D. Howes Jno. J. Rosa Jno. J. Rosa Jno. T. Cox E. C. Hutchinson E. P. Scherbel H. W. Desgranges	do	75 75
	E. C. Hutchinson	do	99
	E. F. Scherber H. W. Desgranges S. A. Knapp A. M. Mayo Harry T. Newcomb et al	do	99
	S. A. Knapp	do	92
	A. M. Mayo	do	92 44
	Harry T. Newcomb et al	Salaries	4,890
	Total first quarter		21, 257
t. 3	H. M. Simrall The White, Corbin & Co E. T. Peters Juo. N. Cantwell W. H. Pleasants L. M. Erskine J. A. Beal G. W. Perry Henry Hawkins L. C. Dorgan, jr Library Bureau do	Services	137
	The White, Corbin & Co.	Envelopes	136
4	E. T. Peters	Salary	136
7	Jno. N. Cantwell	Services Envelopes Salary Services	20
	W. H. Pleasants	do	20
10	L. M. Erskine	do	50
12	J. A. Beal	do	75
14	Honey Howking	Colour	112 20 25
14	L. C. Dorgen in	Salarydo Index cards	20
20	Library Bureau	Index cards	56
100	do	do Letter paper Stencil paper Salary do Salaries	19
22	Jno. C. Parker	Letter paper	247
	Jno. C. Parker	Stencil paper	7
29	W.O.H. Shepard	Salary	20
07	Earle Sloan	do	25
ov. 1	H.T. Newcomb et al	Salaries	56 19 247 7 20 25 4, 962 157 4
οv. 1 2	Library Rupan	Tran	137
$\tilde{4}$	R. H. Troy	Salary	75
8	Library Bureau  do Jno C. Parker Jno C. Parker Jno C. Parker W. O. H. Shepard Earle Sloan H. T. Newcomb et al E. T. Peters Library Bureau R. H. Troy L. M. Erskine J. L. Cantwell	Salary Tray Salary	75 50
9	J. L. Cantwell	do	20
	L. M. Erskine J. L. Cantwell L. C. Dorgan, jr W. O. H. Shepard W. H. Pleasants Henry Hawkins The Office and Library Co. Fred. A. Schmidt Library Rurean	do	25
	W.O.H. Shepard	do	20
7.4	W. H. Pleasants	do	20 20 10 6
14	Henry Hawkins	do	20
16	The Office and Library Co	Inks, etc	10
30	Library Rupoen	Inks, etc Paper Klips Salaries Typewriter and tabulator Paper Salary Traveling expenses Salary do	6
90	Library Bureau H. T. Newcomb et al J. R. Buckelew	Salarias	4 827
c. 2	J. R. Ruckelew	Typewriter and tabulator	4,837 117 5
J. 14	Easton & Rupp	Paper	5
	E. T. Peters	Salary	129
3	Jno. Hyde	Traveling expenses	2
6	R. H. Troy	Salary	2 75
	W. H. Pleasants	do	20
	Jno. L. Cantwell	do	20
0	J. R. Buckelew Easton & Rupp E. T. Peters Jno. Hyde R. H. Troy W. H. Pleasants Jno. L. Cantwell A. G. Rice Baltimore and Ohio R. R. Co	Traveling expenses	30
8	Baltimore and Ohio R. R. Co	Passenger transportation	10.
9	Earle Sloan	Salary	50
	W. O. H. Shepard	do	20. 20.
1=	T. M Ersking	do do Traveling expenses Passenger transportation Salary do do do	20. 50.
	L. DI. EISKING	Guides	25.
29	Jahrary Kureau		
22 31	W. C. Duncan	Services	250.
15 22 31	A. G. Rice Baltimore and Ohio R. R. Co. Earle Sloan. W. O. H. Shepard Henry Hawkins L. M. Erskine Library Bureau. W. C. Duncan H. H. Green Kilbourn Harwood.	do Guides Services	250 200

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Tota
1898.			
Dec. 31	Geo. Husmann. Jno. Cownie W. W. Miller H. O. Garvey P. A. Rogers Levi Chubbuck	Services	\$200
	Jno. Cownie	do	200
	H O Garvey	do	175 175
	P. A. Rogers	do	175 175 175
	Levi Chubbuck	do	175
	Levi Chubouck F. E. Dawley R. W. Furnas W. F. T. Bushnell E. E. Kaufman	do	175
	R. W. Furnas	do	170
	W.F.T. Bushnell	do	150 150
			150
	W. J. Northen C. H. Morse R. H. Thomas	do	150
	C. H. Morse	do	150
	R. H. Thomas	do	150
	J. H. Lane	do	137
	A. M. Mayo	do	137 137
	A V P Spyder	do	125
	Thos H Reeves	do	125
	W. A. Withers	do	125
	H. H. Homas J. H. Lane A. M. Mayo H. M. Simrall A. V. R. Snyder Thos. H. Reeves W. A. Withers S. S. Snepard	do	125 125 125
	W.A. Sherman	do	125
	J. J. Corley	do	125
	W. M. Nelson	do	100 112
	D R Russell	do	119
	S. S. Snepard W. A. Sherman J. J. Corley Wm. Nelson F. E. Carstarphen D. B. Russell J. A. Hayden Geo. W. Perry H. W. Desgranges Chas. L. Gold Edward Wiggins Jos. A. Beal J. A. Tillinghast H. W. Dest	do	112
	Geo. W. Perry	do	112 112 82
	H. W. Desgranges	dodo	82
	Chas. L. Gold	do	75
	Edward Wiggins	do	75
	Jos. A. Beal	do	75
	H W Voil	do	7.5 7.5
	H. W. Vail E. D. Howe E. C. Hutchinson	do	75
	E. C. Hutchinson	do	75
	J.J. Rosa	do .	75
	Jno. T. Cox E. T. Peters	do	75
	E. T. Peters	Salary Salaries	164
	H. T. Newcomb et al	Salaries	4,870
1899.	Total second quarter		22,333
n. 3	The Smith Premier Typewriter Co	Typewriters	189
	Springheid Envelope Co	Envelopes	46
	D II There		- 4%
			75
- 4	R. C. Dorgan, ir	Salary	75 50
- 4 11	R. C. Dorgan, jr Amelia Lewis	Salarydodo	50 35
11 12	R. C. Dorgan, jr Amelia Lewis Jno. L. Cantwell	Salary do	50 35 20
11 12	R. C. Dorgan, jr Amelia Lewis Jno. L. Cantwell L. M. Erskine	Salarydodododododo	50 35 20 50
11 12	The Smith Premier Typewriter Cospringfield Envelope Codo R. H. Troy R. C. Dorgan, jr Amelia Lewis Jno. L. Cantwell L. M. Erskine W. H. Pleasants W. O. H. Shepperd	do	50 35 20 50 20
11 12	R. C. Dorgan, jr Amelia Lewis Jno. L. Cantwell L. M. Erskine W. H. Pleasants W. O. H. Shepard E. T. Peters	do	50 35 20 50 20 20
11 12 14 16	W.O. H. Shepard E. T. Peters.	do	50 35 20 50 20 20 73
11 12 14 16 19	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins	do	50 35 20 50 20 20 73 14 20
11 12 14 16 19	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins	do	50 35 20 50 20 20 73 14 20 65
11 12 14 16	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White Corbin & Co.	do	50 35 20 50 20 20 73 14 20 65
11 12 14 16 19 21 24	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White Corbin & Co.	do	50 35 20 50 20 20 73 14 20 65 105
11 12 14 16 19	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White Corbin & Co.	do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation	50 35 20 50 20 73 14 20 65 105 112 27
11 12 14 16 19 21 24	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R.	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do	50 35 20 50 20 73 14 20 65 105 112 27
11 12 14 16 19 21 24 30	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R.	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries	50 35 20 20 20 20 73 14 20 65 105 112 27 3
11 12 14 16 19 21 24 30	W. O. H. Shepard E. T. Peters. Geo. K. Holmes Henry Hawkins. Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R.	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries	50 35 20 20 20 20 73 14 20 65 105 112 27 3
11 12 14 16 19 21 24 30	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	50 35 20 50 20 20 73 14 20 65 105 112 27 3 4,703 6
11 12 14 16 19 21 24 30	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	50 35 20 20 20 73 14 20 65 105 112 27 3 4,703 6 49 19
11 12 14 16 19 21 24 30 b. 31	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	50 35 20 50 20 20 20 20 20 65 105 112 27 3 4, 703 6 49
11 12 14 16 19 21 24 30 b. 1	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	4275 500 355 200 200 200 655 112 277 4, 703 4, 703 48 11 15 15 15 15 15 15 15 15 15 15 15 15
11 12 14 16 19 21 24 30 30 b. 31	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	50 50 50 20 20 73 14 42 20 65 105 112 27 3 4,703 64 49 15 75 84 1
11 12 14 16 19 21 24 30 31 31	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker	do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper	50 55 50 20 20 20 20 73 14 4 20 65 65 65 67 4, 703 6 49 15 75 8 8 14 12 20 20 20 20 20 20 20 20 20 2
11 12 14 16 19 21 24 30 31 31	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. C. Lantwell W. H. Pleasants L. M. Ersking	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc. Salary do Transportation Salary do Tansportation Salary	50 50 20 20 20 20 73 14 4 20 65 112 27 3 4, 703 6 49 15 5 84 84 20 20 20 20 20 20 20 20 20 20
11 12 14 16 19 21 24 30 31 31 15. 1	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. C. Lantwell W. H. Pleasants L. M. Ersking	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc. Salary do Transportation Salary do do do do do do do do	50 50 50 20 20 20 20 20 20 65 105 112 27 27 3 4, 703 6 49 15 75 84 1 1 20 20 65 65 65 65 65 65 65 65 65 65
11 12 14 16 19 21 24 30 31 31	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. C. Lantwell W. H. Pleasants L. M. Ersking	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc. Salary do Transportation Salary do do do do do do do do	50 50 50 20 20 20 20 20 20 20 20 20 2
11 12 14 16 19 21 24 30 30 31 4b. 1	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. C. Lantwell W. H. Pleasants L. M. Ersking	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc. Salary do Transportation Salary do do do do do do do do	50 50 50 20 20 20 20 20 20 20 20 20 2
11 12 14 16 19 21 24 30 8b. 31 1	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White. Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. L. Cantwell W. H. Pleasants L. M. Erskine Earle Sloan L. C. Dorgan, jr The White. Corbin & Co Easton & Ruppy	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc. Salary do Transportation Salary do do do do do do do do	50 50 50 20 20 20 65 105 105 105 27 4,703 6 49 15 75 84 1 20 20 65 12 27 75 84 1 20 20 65 12 27 73 4,703 6 49 10 10 10 10 10 10 10 10 10 10
11 12 14 16 19 21 24 30 31 18b. 1	W. O. H. Shepard E. T. Peters Geo. K. Holmes Henry Hawkins Jno. Hyde The White, Corbin & Co Library Bureau Chesapeake and Ohio Rwy. Co New York, New Haven and Hartford R. R. Co. H. T. Newcomb et al The Randolph Paper Box Co Jno. C. Parker do Robt. H. Troy E. T. Peters United States Express Co Jno. C. Lantwell W. H. Pleasants L. M. Ersking	do do do Traveling expenses Salary Traveling expenses Envelopes Cards Passenger transportation do Salaries Boxes Typewriter paper Paper, etc Salary do Transportation Salary do do do do do Coby book and pads	50 55 50 20 20 20 20 20 74 21 27 27 3 4, 703 6 49 9 15 75 84 1 1 20 20 20 65 65 65 65 65 65 65 65 65 65

· COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Mar. 2	E T Potous	Solowy	\$140.00
Mar. 2	R. H. Trov	Salary do	\$140.00 25.00
4	E. T. Peters R. H. Troy L. C. Dorgan, jr W. H. Pleasants L. M. Erskine J. L. Cantwell W. O. H. Shepard R. H. Lea	do	25.00
	W. H. Pleasants	do	20.00 50.00
8	J. L. Cantwell	do	50.00 20.00
9 13	W.O.H.Shepard	do	20.00
15	W. O. H. Shepard R. H. Lea Henry Hawkins The White, Corbin & Co do Library Bureau F. P. Bennett	dodo Envelopes	225. 00° 20. 00
17	The White, Corbin & Co	Envelopes	145, 36
	Library Rupeen	Carde	135.87 13.75
	F. P. Bennett	Cards Subscription, Shepherds' Bulle-	1.00
99			
22 25	Library Bureau Chicago, St. Paul, Minneapolis and Omaha	Cards	19.80 11.05
141)	Rwy, Co.		11.00
31		Services	250.00
	Jno. Cownie Kilbourn Harwood	do	200.00 200.00
	H. H. Green	do	200.00
	H O. Garvey	do	$175.00 \\ 175.00$
	P. A. Rogers	do	175.00
	R. W. Furnas	do	175.00
	W. W. Miller	do	175.00 175.00
	W. J. Northen	do	150.00
	R. H. Thomas	do	150.00
	E. F. Scherbel	do	150.00 150.00
	E. E. Kaufman	do	150.00
	W. F. T. Bushnell	do	150.00
	A M Mayo	do	137.50 137.50
	H. M. Simrall	do	137.50
	W. A. Withers	do	125.00 125.00
	W. A. Sherman	do	125.00
	A. V. R. Snyder	do	125.00
	Thos. H. Reeves	do	125.00 125.00
	F. E. Carstarphen	do	112.50 112.50 112.50 112.50 112.50
	D. B. Russell	do	112.50
	Jas. A. Hayden	do	112.50
	Wm. Nelson	do	100.00
	E. D. Howe	do	75.00 75.00
	Jno. J. Rosa	do	75.00
	C. L. Gold	do	75.00
	J. A. Tillinghast	do	75.00 75.00
	E. C. Hutchinson	do	75.00
	J. A. Beal	do	75.00 75.00 75.00
	R. H. Troy	Salary	25:00
	Harry T. Newcomb et al	Salaries	4, 994. 87
	Washington C. Duncan Jno. Cownie Kilbourn Harwood H. H. Green H. O. Garvey Levi Chubbuck P. A. Rogers R. W. Furnas W. W. Miller F. E. Dawley W. J. Northen R. H. Thomas E. F. Scherbel C. H. Morse E. E. Kaufman W. F. T. Bushnell Jas. H. Lane A. M. Mayo H. M. Simrall W. A. Withers S. S. Shepard W. A. Sherman A. V. R. Snyder Thos. H. Reeves J. J. Corley J. J. Corley F. E. Carstarphen D. B. Russell Geo. W. Perry Jas. A. Hayden Wm. Nelson E. D. Howe Jno. T. Cox Jno. J. Rosa C. L. Gold H. W. Vail J. A. Tillinghast E. C. Hutchinson J. A. Beal E. W. Wiggin R. H. Troy Harry T. Newcomb et al Total third quarter		21,747.97
Apr. 1	E. T. Peters. Harry Hawkins W. H. Pleasants J. L. Cantwell L. M. Erskine	Salary :	108.50
Apr. 1	Harry Hawkins	do	108.50 20.00 20.00
	W. H. Pleasants	do	20.00
	L. M. Erskine	do	20.00 50.00
	R. H. Lea	do	50, 00
	R. H. Lea Geo. Husmann H. W. Desgranges The White, Corbin & Co. do do do W. O. H. Shepard Earle Sloan	do	200.00 125.00 154.25
11	The White, Corbin & Co	Envelopes	154.25
	do	do	151. 43 62. 42 59. 45
	do	do	59.45
12	W. O. H. Shepard	Salary	20.00
95	Earle Sloan	Pagangan transt-tian	50.00
25 27 29	E. Morrison Paper Co		34.50 25.08
29	The White, Corbin & Co	Envelopes	348.40 5,147.33
May 1	W. O. H. Shepard Earle Sloan Baltimore and Ohio R. R. Co E. Morrison Paper Co The White, Corbin & Co H. T. Newcomb et al C. E. Stanton	Salaries Typewriter	5, 147. 33 75. 00
	O. 14. O UMITUOIT	The MIIIOI	10.00

#### COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
fay 1	E. T. Peters	Salary	\$147.0
2	W. H. Pleasants L. M. Erskine Robt. H. Troy Wyckoff, Seamans & Benedict J. L. Cantwell	do	20. 0 50. 0
3	L. M. Erskine	dodo Tabulator	25. 0
4	Wyckoff Saamans & Banadiet	Tahulator	18.0
8	J. L. Cantwell	Salarydododo	20.0
9	W.O.H.Shepard Earle Sloan Library Bureau	do	20.0
~	Earle Sloan	do	20. 0 25. 0
17	Library Bureau  do  do  Walter Maxwell Richard H. Lea Henry Hawkins John C. Parker Lyman C. Dorgan, jr  do  Harry T. Newcomb et al Engene M. Tilden The White, Corbin & Co E. T. Peters Robt. H. Troy Richard H. Lea L. M. Erskine Earle Sloan W. H. Pleasants	Tin trays	. 9.0
	do	Klips Report on Hawaiian Islands	5. 0 150. 0
0.0	Walter Maxwell	Report on Hawaiian Islands	150.0
22	Richard H. Lea	Report on Hawanan Islands Salary  do Stationery supplies Salary, March, 1899 Salary, April, 1899 Salaries Ink pads Envelopes Salary do	50.0
98	John C Paukon	Stationary symplice	20.0 419.6
26 29	Lyman C. Dorgan ir	Salary March 1899	25.0
20	do do	Salary April 1899	25. 0 25. 0
31	Harry T. Newcomb et al	Salaries	5, 453. 6
une 1	Eugene M. Tilden	Ink pads	07.5
2	The White, Corbin & Co	Envelopes	142.8 122.5 25.0
	E. T. Peters	Salary	122.5
6	Robt. H. Troy	do	25.0
8	Richard H. Lea	do	50.0
	L. M. Erskine	do	50.0
	W. H. Pleasants	do	25.0
	W. fl. Fleasants	do	20.0 20.0
	Ino l. Cantwell	do	20.0
13	Henry Hawkins Jno. L. Cantwell E. A. Hitchcock The R. H. Smith Manufacturing Co. Wool and Cotton Reporter Lyman C. Dorgan W. O. H. Shepard Southarn Revy Co.	Maps	20.0 77.1
10	The R. H. Smith Manufacturing Co		17.0
	Wool and Cotton Reporter	Subscription	3.0
14	Lyman C. Dorgan	Moding Subscription Salary do Passenger transportation Envelopes Maps Envelopes	25.0
16	W.O.H. Shepard	do	20.0
20	Southern Rwy. Co	Passenger transportation	27.5
21 22	The White, Corbin & Co	Envelopes	158.0
22	Rand, McNally & Co	Maps	110.1 139.2
24	The Springfield Envelope Co	Envelopes	139.2
15#	James Mariaen	Transportation	21. 7
97	W. O. H. Shepard Southern Rwy. Co The White. Corbin & Co. Rand, McNally & Co The Springfield Envelope Co. Adams Express Co. James Morison Pullman Palace Car Co. W. C. Duncan.	Envelopes Transportation Traveling expenses Passenger transportation	21.6
27 30	W C Duncan	Services	6. 5 250. 0
00			200.0
	John Cownie Kilbourn Harwood Geo. Husmann	do	200.0
	Kilbourn Harwood	do	200.0
	Geo. Husmann	do	200.0
	F. E. Dowley	do	175.0
	W. W. Miller	do	175.0
	Lowi Charles also	do	175.0
	Pobt W France		175.0
	P A Rogare	do	175. 0 175. 0
	Geo, Husmann F, E. Dowley W. W. Miller H. O. Garvey Levi Chubbuck Robt, W. Furnas P. A. Rogers E. E. Kaufman W. F. T. Bushnell E. F. Scherbel	do	150.0
	W. F. T. Bushnell	do	150.0
	E. F. Scherbel	do	150.0
	W. J. Northen	do	150.0
	C. H. Morse	do	150.0
	R. H. Thomas	do	150.0
	S. A. Knapp	do	137.5
	Jas. H. Lane	do	137. a 137. a
	W A Withow	do	137. a 125. (
	Thos H Reeves	do	125. ( 125. (
	Wells A. Sherman	đo	125.0
	H. W. Desgranges	do	125. ( 125. (
	S. S. Shepard	do	125. (
	J. J. Corley	do	125.0
	A. V. R. Snyder	do	125. 0 112. 5
	F. E. Carstarphen	do	112.5
	D. B. Russell	do	112.5
	Geo. W. Perry	do	112.5
	E. E. Kaufman W. F. T. Bushnell E. F. Scherbel W. J. Northen C. H. Morse R. H. Thomas S. A. Knapp Jas. H. Lane H. F. Simrall W. A. Withers Thos. H. Reeves Wells A. Sherman H. W. Desgranges S. S. Shepard J. J. Corley A. V. R. Snyder F. E. Carstarphen D. B. Russell Geo. W. Perry J. A. Hayden Wm. Nelson H. W. Vail Jno. T. Cox Edward Wiggin John J. Rosa Chas, L. Gold E. C. Hutchinson E. D. Howe J. A. Tillinghast	do	112.5 100.0
	WILL Nelson	do	100.0
	Jno T Cov	do	75.0
	Edward Wiggin	do	75. 0 75. 0
	John J. Rosa	do	75.0
	Chas. L. Gold	đo	75.0
	T2 00 277	J.	75.0
	E. C. Hutchinson		75. 0 75. 0

#### COLLECTING AGRICULTURAL STATISTICS—Continued. '

Date.	Name.	Nature of payment.	Total.
1898. June 30	Robt. H. Troy	Salary.	\$25.00
	Robt. H. Troy Harry T. Newcomb et al	Salaries	5, 304. 99
	Total fourth quarter		25, 149. 68
1	rotai rour in quai ter		20, 110.00
1000	Supplemental.		
1899. July 1	The White, Corbin & Co	Envelopes	200.50
3 diy	E. T. Peters	Salary	150.50
8	Jno. L. Cantwell	do	20.00
	L. M. Erskine		50, 00 20, 00
	Henry Hawkins L. C. Dorgan, jr	do	20.00 25.00
	Earle Sloan	do	25.00
12	Earle Sloan United States Express Co	Transportation	. 25
18	W. O. H. Shepard W. H. Pleasants	Salary	20.00 20.00
	Jos. A. Beal		75.00
21	The White, Corbin & Co	Envelopes	402.06
	The White, Corbin & Co The Railway Age and Northwestern Rail-	Subscription	4.00
25	roader. California Fruit Grower	do	1.50
28	Richd. H. Lea	Salary	50.00
Aug. 3	Pennsylvania R. R. Co	Passenger transportation	27.50
10	Willett & Gray	Subscription to weekly papers	15.00
Sept. 1	Adams Express Co	Transportation	. 25 24, 65
sept. 1	Blue Line Transfer Co.	Traveling expenses	1.65
5	New York Commercial Publishing Co	Subscription	5.00
	Journal of Commerce and Commercial	do	6.00
18	Bulletin. National Railway Publishing Co	Official Guide	1.25
20	United States Express Co	Transportation	3, 55
21	The White, Corbin & Co	Envelopes	674.95
Oct. 7	Fred. A. Schmidt	Arithmometer	400.00
12	J. E. Beerbohne The White, Corbin & Co	Corn Trade List, one year Envelopes	29, 20 131, 14
10	do	do	79. 50
18	The Geo. W. Knox Express Co	Transportation	. 44
Nov. 6	Pullman Palace Car Co	Passenger transportation	6.50
	Total.		2,470,39
	I (total		w, ±10.00

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental Total	21,747.97 25,149.68 2,470.39
Total	ah, ano. aa

# INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS.

Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 31 Sept. 30	F. H. Hitchcock et aldodo	Salariesdo	\$818.81 789.40 650.17
Oct. 31 Nov. 30	Total first quarter F. H. Hitchcock et al F. H. Hitchcock F. H. Hitchcock F. H. Hitchcock et al	Salariesdo	2, 258. 38 556. 60 581. 80
1899. Jan. 31 Feb. 28	Total second quarter  F. H. Hitchcock et aldo	Salaries	1,755.50 612.20 523.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Mar. 11 31	F. H. Hitchcock	Traveling expenses Salaries	\$18.50 598.66
Apr. 29 May 31 June 27	Total third quarter  F. H. Hitchcock et al. do Pennsylvania R. R. Co.  F. H. Hitchcock	Salariesdo	1,753.16 570.20 635.97 10.00 6.50 759.60
Sept. 20 Oct. 12	Total fourth quarter	Traveling expenses	119.91 37.60 157.51

#### RECAPITULATION.

	First quarter	\$2,258,38
9	Second quarter	1, 755, 50
í	Third quarter	1, 753, 16
	Fourth quarter	1.982.27
9	Supplemental	157.51
	- FF	

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 18	E. Morrison Paper Co	Binder's board	\$3.75
21	E.J. Pullman	Kodak, etc	46.00
	C. Becker	Straps	6.00
23	Chas. H. Coe	Roots of koonti plant	1.50
30	L. H. Dewey et al	Salaries	939.40
Aug. 2	E. I. Applegate Thos. H. Kearney, jr	Salary	125.00
5	Thos. H. Kearney, Jr	do	117.90
9	Ernest Betz	Tin boxes	7.60
10	The Kny Scheerer Co	Forceps	1.30
16	Geo. Lawrence Library Bureau	Pack saddles, etc	15.00 15.00
10	Eimer & Amend		15.00
	H. F. Michell	Half gallon weed killer	.75
19	Z. D. Gilman	Bisulphide	
10	Rudolph, West & Co	Screw eyes, etc.	
20	P. Mann & Co	Fertilizer	4,50
25	E. J. Pullman	Films	10.80
	Conrad Becker	Straps	1.20
	T. H. Kearney, jr	Traveling expenses	108, 35
	Fredk. V. Coville	do	107.15
	do	Expenses	14,80
	Henry H. Brown	Developing powders	. 50
27	E. J. Pullman	Camera	21.05
	do	Plates, etc	3.40
31	L. H. Dewey et al	Salaries	1,175.20
Sept. 2	E. I. Applegate	Salary	125.00
7	The Randolph Paper Box Co	Boxes	40.00
10	Will. W. Tracy, jr	Freight charges and labor	7.45
13	The Randolph Paper Box Co	Boxes	8.40
	Cambridge Botanical Supply Co	Driers	4. 25
15	Wm. Krafft L. H. Dewey	Lens	4.25
19	Thos. Burch & Co	Traveling expenses	24.85
19	C H Higher	Tubes and corks	19.74
23	G. H. Hicks. Adams Express Co	Traveling expenses	3. 25 2. 10
27	M. G. Kains	Transportation	25. 97
21		Traveling expensesdo	13. 20
30	L. H. Dewey et al	Salaries	1, 084. 19
, o	D. II. Don'dy Co all	Dataries	1,004.19
	Total first quarter		4,093,18
			2,000.10

### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Oct. 1	Z. D. Gilman	Tubes and corks	\$51.30
.,	E.J. Piillman	Photo supplies Hyposulphate Cards	10.52
3	Mackall Bros H. N. Paterson F. V. Coville		. 24 20. 48 199. 75
4 5	do	Salary Passenger transportation	137. 15
24	E. I. Applegate Southern Rwy. Co. New York, New Haven and Hartford R. R. Co.	Passenger transportationdo	125.00 17.50 3.50
25 29	Baltimore and Ohio R. R. Co	Boxes	17.00 21.00
29 31	V. K. Chesnut L. H. Dewey et al	Boxes Traveling expenses	10 90
Nov. 1	Geo. P. Killian Co.	Boxes	1, 198. 30 12. 30 125. 00
	The Randolph Paper Box Co V. K. Chesnut L. H. Dewey et al Geo. P. Killian Co E. I. Applegate H. Lindenmeyr & Son Mackall Bros Thos. H. Kearney, jr Sothoron Key do E. J. Pullman do	Traveling expenses Salaries Boxes Salary Paper Formalin Traveling expenses do Expenses Films	7. 15 2. 90 72. 30
10	Thos. H. Kearney, jr	Traveling expenses	72.30 10.55
- 10	Sothoron Key	Expenses	
16	E.J. Pullman	Filmsdo	2.40
	do Church & Stephenson Rudolph, West & Co Jas B. Lambie	do Lath Nails, etc	. 50 2. 41
	Jas. B. Lambie T. R. Mitchell	Saw Labels do Expenses	1.25 4.00
	T. R. Mitchell do Will W. Tracy, jr	Expenses	. 46 12. 75
21 30	E.S. Curtis	Kodak Index cards Cards	12.30 14.40
33	I. H. Dowey et al	Cards Salaries	3 00
Dec. 1	Thos. H. Kearney, jr.	Traveling expenses	39. 95 3. 75
~	H. H. Brown	Photo supplies	.51
	Will W. Tracy, jr E. S. Curtis Library Bureau do L. H. Dewey et al Thos. H. Kearney, jr E. Morrison Paper Co. H. H. Brown do Fredk. Carl E. S. Schmid	Salaries. Traveling expenses Binders' board Photo supplies	. 31 5. 00
	Rudolph, West & Co	Labels Scuttles, etc	1.50 1.40 17.30
	R. S. Schmid Rudolph, West & Co Church & Stephenson D. I. Bushnell	Grain sampler	17.30 15.00
3 5	E. J. Hannan L. S. Starrett Co	Plumbing Steel rule	469.00
8	Oregon Railroad and Navigation Co	Passenger transportation	8.54 2.00
	Southern Pacific Co	do	4.96
10	do do	do	10.50 10.00 18.65
14	Southern Rwy. Co.	Passenger transportation	17.50
10	Welsbach Light Co	Mantle and chimney	3.75 1.10
19	Northern Pacific Rwy. Co	Passenger transportation Strawboard Mantle and chimney Passenger transportationdo Iron pan Lumber Cards Lens	11.50 6.25
21	Church & Stephenson	Lumber	3.74
22 23	L. S. Starrett Co Oregon Railroad and Navigation Co Astoria and Columbia River R. R. Co Southern Pacific Co Baltimore and Ohio R. R. Co	Cards	3. 00 4. 25
27 31	J. T. Walker Sons E. I. Applegate	Lens Laboratory supplies Salary Salaries	8. 55 125. 00
31	L. H. Dewey et al	Salaries	1,309.11
1899.	Total second quarter		5,456.48
Jan. 3	Mackall Bros	Laboratory supplies Binders' boards Transportation	4.38 5.00
4	United States Express Co	Transportation	5.00 5.35 2.26
_	E. J. Pullman	Photo supplies	9.40
5 6	Southern Pacific Co	Passenger transportation	62.00 27.37
9	The Oregon Kallroad and Navigation Co Elmer I_Applegate	Salary	6.44 125.00
10 12	Mackall Bros E. Morrison Paper Co United States Express Co The Geo. W. Knox Express Co E. J. Pullman Thos. W. Riley Southern Pacific Co The Oregon Railroad and Navigation Co Elmer I. Applegate Ernest Betz Z. D. Gilman Jas B. Lambie do	Transportationdo Photo supplies Manure Passenger transportationdo Salary Making boxes Forceps and lime Shorals and stoopers	7.60 2.44
	Jas. B. Lambiedo	Shovels and stoppers	. 96

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total
1899.			
an. 12	The Geo. W. Knox Express Co	Transportation	\$1. 4.
16	T. R. Mitchell	Label	
19	Fimon & Amond	Label Fiber Weights, etc	14
	T. R. Mitchell The American Jadoo Co Eimer & Amend Wallace Bros	Photoe	4
20	James B. Lambie Alexander Schmid Woodward & Lothrop	Pliers File jackets Soap dishes	1
	Alexander Schmid	File jackets	6
			1
26	Herman Baumgarten S. S. Shedd & Bro Oregon Short Line R. R. Co A. J. Pieters et al Will W. Tracy, jr E. I. Applegate E. J. Pullman	Die Brackets, etc Passenger transportation Salaries Expenses	4
26 30	Oregon Short Line R. R. Co	Passenger transportation	13
31	A.J. Pieters et al.	Salaries	1,412
eb. 3	Will W. Tracy, jr	Expenses	21
6	E.I. Applegate	Salary Films Photo supplies	125 4
•	do	Photo supplies	4
10	Lansburgh & Bros	Cotton, etc	1
28	Chicago and Alton R. R. Co	Cotton, etc Passenger transportation	7 201
0	A.J. Pieters et al	Salaries	1.284
lar. 2	Coreovan Witt & Co	Salary	125 9
4	N. M. Brown	Mexican plants	25
47	E. J. Pullmandodo Chicago and Alton R. R. Co A. J. Pieters et al. E. I. Applegate Corcoran, Witt & Co N. M. Brown The Kny Sheerer Co Fredk. Carl C. R. Edmonston Ernest Betz.	Garary Corn sampler Mexican plants Glass tubing Seed sampler Jars	2
9	Fredk. Čarl	Seed sampler	15
	C. R. Edmonston	Jars	2
	Ernest Betz	Putting up speaking tube Tin boxes. Welsbach light Rubber stoppers Seeds, bags Seeds	15 7
	do C.C. Van Horn Z.D. Gilman Robt. Gair J. M. Thorburn & Co	Welsbach light	. 4
	Z. D. Gilman	Rubber stoppers	4
14	Robt. Gair	Seeds, bags	5 1
20 21 22 24	J. M. Thorburn & Co	Seeds	$\frac{1}{5}$
22	United States Express Co	Transportation Mantles	11
24	Welsbach Light Co	Mantles	î
	Thos. Burch & Co	Tubes	19
25	Baltimore and Ohio Southwestern Rwy. Co	Passenger transportation	20
	W. H. Butley	Class	2 15
29	J. M. Thorburn & Co A. J. Pieters United States Express Co Welsbach Light Co Thos. Burch & Co Baltimore and Ohio Southwestern Rwy. Co M. A. Griswold W. H. Butler E. J. Pullman	Passenger transportation Covering umbrella. Glass Photographic supplies.	13
		Salaries	1
31	A. J. Pieters et al	Salaries	1,382
	Total third quarter		4,853
pr. 1	Ernest Betz.	Repairing tin boxes	7
	F. W. Balgiano.	Hoe and soda	3
6 12	A. J. Pieters	Expenses	5
14	Mackall Bros	Soda	13
15	Edw. S. Schmid	Fertilizer Watering pot Rakes and trowels	5
18	Rudolph, West & Co.	Rakes and trowels	1
27	H. H. Brown	Films	1
	Mackall Bros  E. Frank Coe Co.  Edw. S. Schmid  Rudolph, West & Co.  H. H. Brown  Melville Lindsay  Edw. S. Schmid.  Will W. Tracy, jr  do.  Jas B. Lambie  Fred. A. Schmidt  D. M. Ferry & Co.  Bausch & Lomb Optical Co.  A. J. Pieters et al.  A. J. Pieters	Hose Iron pan	2
28	Will W. Tracy, ir	Expenses	54
	do	Hoe and hatchet Blocks, etc	8
	Jas. B. Lambie	Hoe and hatchet	8
29	D. M. Found & Co.	Blocks, etc	8
49	Bausch & Lomb Ontical Co	Seeds	2 6
	A. J. Pieters et al	Kodaks repaired	685
ay 1	A. J. Pieters	Expenses Article on bulbs	12
ay 1 5 9	Maurice G. Kains	Article on bulbs	700
12	do.	Salary Traveling expenses	98
16	F. V. Coville	do	44 17
	A. J. Pieters	do	7
17	Wm. W. Tracy, jr	do Labor on grounds Seed bags	23
31	A. J. Pieters et al. A. J. Pieters Maurice G. Kains F. A. Walpoledo F. V. Coville A. J. Pieters Wm. W. Tracy, ir Robert Gair A. J. Pieters et al. L. M. Goodrick E. S. Schmid E. J. Pullman	Seed bags	8
$ne^{\frac{31}{1}}$	L. M. Goodrick	Salaries Sand	713 1
	E. S. Schmid	Nicotine	1
	E. J. Pullman	Nicotine Photo supplies	10
	Fredk. Carl	Repairs to samplersFilm	7
	Henry H. Brown	Film	3
9	A O Comonton		
2	A. O. Carpenter	Photos	3. 80
2	Fredk. Carl Henry H. Brown A. O. Carpenter Southern Rwy. Co Corvallis and Eastern R. R. Co Fredk. V. Coville	Photos Passenger transportation Transportation	80

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.	-		
June 3	A. J. Pieters	Seeds	\$2.5 102.2
8	F. A. Walpole	Salary	102.2
13	W.S. Jenks	Wire frames	9.0
	Ernest Betz	Cans	1.7
	do		1.7
	C. Becker		17. 0
	Chas. R. Edmonston		2.2
	Jno. C. Parker	Letter press	6.7
	Church & Stephenson	Lumber	14.4
21	J. F. Williams	Books	3.0
24	Fred. A. Schmidt	Steel tapes	2.
WE	Mackall Bros		
	Edward L. Greene		1.8
	F. P. May & Co	Screens	4.8
	Adams Express		4.5
	do	do	2.9
2.	do		
29	Will W. Tracy, jr Colin Anderson	Expenses	51.0
	Colin Anderson	Acorn meal and bread	. 7
	A. J. Pieters	Expenses	7.8
30	A. J. Pieters et al	Salaries	791.
	Total fourth quarter		3,585.0
	Supplemental.		
	* 1		
uly 1	A. B. Seymour	Picks and trowels	3. 6
6	Church & Stephenson	Lumber	10.5
•	do	do	5.3
11	Fred. A. Schmidt	Pencils	.9
11	T. R. Mitchell	Labels	8.7
12			8.3
18	United States Express Co	Transportation	16.2
10	E I Dullman		6. 3
10	E. J. Pullman	Plates	
19	F. P. May & Co	Twine	1.5
21	Woodward & Lothrop	Mosquito netting	22.2
28 Aug. 3	F. A. Walpole	Traveling expenses	22.2
lug. 3	Baltimore and Ohio R. R. Co	Trip ticketLabor and material	7.0
5	Frank H. Knight	Labor and material	840.0
8	E. H. Sargent & Co.	Lens	53.6
	Will W. Tracy, jr	Expenses	50.9
10	M. Wiegand & Co	Screens	25. 2
16	Will W. Tracy, jr M. Wiegand & Co Adams Express Co	Transportation	.7
	do	do	1.0
	do	do	1.7
21	Church & Stephenson	Lumber	159.6
ept. 5	Mackall Bros	Acid	1.6
6	Mackall Bros The Oregon Railroad and Navigation Co Southern Pacific Co	Passenger transportation	1.8
9	Southern Pacific Co	do	13.6
16	Ed J. Hannan	Repairs in laboratory	12. 4
19	Conthorn Pacific Co	Descenden transportation	3.1
19	Southern Pacific Co	Passenger transportation	
10	Adama Empress Co	do	3.1
et. 18	Adams Express Co	Transportation	1.9
	do	do	
00	F. V. Coville	Traveling expenses	48.2
28	Washington Gas Light Co	Gas	4.5
	F. V. Coville Washington Gas Light Co	do	. 7.2
		aoao	4.0
	do	do	1.0
	do		.9
	Total		1,328.1

#### RECAPITULATION.

First quarter	\$4,093.18
Second quarter	5, 456. 48
Third quarter	4, 853, 23
Fourth quarter	3,585.05
Supplemental	1,328.14

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. BOTANICAL, RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1899. Jan. 13 Apr. 15	Jane E. Howlettdo	Rent of laboratory, November and December, 1898. Rent of laboratory, Jan. 1 to Mar. 31, 1899.	\$120.00 180.00
July 11	Jane E. Howlett	Rent of laboratory, Apr. 1 to June 30, 1899.	180.00

#### ENTOMOLOGICAL INVESTIGATIONS.

4000			
1898. July 23	B. F. T. Bell	Rings, etc	\$3.25
oury 20	F. C. Pratt	Traveling expenses	10.80
25	The Maurice Joyce Engraving Co	Electrotype	
30	E. A. Schwarz et al.	Salaries	1,221.60
Aug. 2	L. O. Howard	Traveling expenses	23.95
10	Wm. B. Todd, collector	Custom house charges	. 75
11	L.O. Howard	Traveling expenses	21.00
16	Adler Color and Chemical Works	Green arsenite	3. 00 5. 25
18	R. P. Clarke	10 yards Swiss	2.50
19	Z. D. Gilman	Rubber stoppers	16. 24
	F. A. Schmidt	Pens	6,48
	Mackall Bros	Chemicals	2. 13
90	W. D. Hunter	Salary	75.00
23 24	The Maurice Joyce Engraving Co	Electros Insect boxes	1.31 52.50
24	Bausch & Lomb Ontical Co	Safranin, etc.	2.18
25	Bausch & Lomb Optical Co Thos. Somerville & Sons	Base and valve for pump	34.50
	E. J. Pullman	Photo supplies	4.50
27	do	do	1.35
01	J. C. Metzger & Co	Freight charges, etc	5.50
Sout 31	E. A. Schwarz et al	Salaries	1,305.80
Sept. 2	R. P. Clarke Walter D. Hunter	Salary	12.00 33.87
	do	Traveling expenses	130, 45
6	L.O. Howard	do	21.29
	G. R. Pilate	Collection of insects	15.00
13	Harry C. Jones	Engravings	20.99
15	To A (Calculate	do	7.27
15 17	F. A. Schmidt Oregon Short Line R. R. Co	Dividers	4.95 35.30
11	do	Passenger transportationdo	12.80
20	E. L. Wilson & Co	Repairing pump	9, 00
	Fred. A. Schmidt	Tweezers	4.50
22 23	Antonio Berlese	Collection "mites"	43.62
23	Oregon Railroad and Navigation Co	Passenger transportation	16.69
	Northern Pacific Rwy Co Rio Grande and Western Rwy Co	dodo	. 80 13. 00
	Adams Express Co	Transportation	10.75
28	Peter Fireman	Translating	16.00
30	E. A. Schwarz et al.	Salaries	1, 252, 65
	Total first quarter		4, 460. 78
Oct. 1	Rudolph, West & Co	Townle ate	3, 61
Jet. 1	E. J. Pullman	Towels, etc Photo supplies	1.90
	E. J. Pullman The Maurice Joyce Engraving Co	Electrotypes	1.69
3	R. Shorrock	Photoson wood	1.50
	C. L. Marlatt	Traveling expenses	160.96
6	R. Shorrock		2.25
	The Globe Co Z. D. Gilman	Indexes Sulphuric acid	1.44 5.32
	W.G. Johnson	Basket fruit	1.50
14	United States Express Co	Transportation	1.25
18	H. C. Jones	Engraving	17.50
19	L.O. Howard	Traveling expenses	69.18
20	J. A. Strickler	Services	5.00
22	C.H. T. Townsend	Salary	48.39
24	Geo. F. Muth & Co. Chicago, St. Paul, Minneapolis and Omaha	Torch Passenger transportation	3.50 11.05
WI	Rwy. Co.	rassenger transportation	11.00
26	Rwy. Co. F. H. Chittenden	Traveling expenses	19.17

## ENTOMOLOGICAL INVESTIGATIONS—Continued.

	ENTOMOLOGICAL INVESTIG	JATIONS—Continued.	
Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 31 Nov. 3	E. A. Schwarz et al	Salaries	\$1,304.30 25.00
Nov. 3	Lawrence Bruner	Collecting insects	25.00
	do	do	4.38 7.88
	do	Engraving do do Traveling expenses	3.50
7	L. O. Howard	Traveling expenses	30.25
8 9	C. H. T. Townsend	Chomicals	44.10
16	E. J. Pullman	do Chemicals Photo supplies	4.50 3.75
	The Maurice Joyce Engraving Co	Electro	.30
30	Lawrence Bruner H. C. Jones do do L. O. Howard C. H. T. Townsend E. R. Taylor E. J. Pullman The Maurice Joyce Engraving Co Z. D. Gilman Bausch & Lomb Optical Co do	Insecticide Objectives Diamond, etc	10.00 99.95
90	dodo	Diamond, etc	3.68
	do	Labels	
	Library Bureau	Cardsdo	23.00 14.40
	do do Library Bureau do E A Schwarz et al F C Pratt F J Keleher R P Clarke H H Brown	Salaries	1 289 15
Dec. 1	F. C. Pratt	Salaries Traveling expenses Hemming towels	19.08 1.00 5.75
2	F. J. Keleher	Hemming towels	1.00
	H. H. Brown	Toweling	9. 10 92.05
	do	Forceps	1.50
5	A. L. Quaintance Eimer & Amend H. C. Jones.	Toweling Lamps, table, slides, etc Forceps Set of insects Dishes Engraving do do Expenses Slide boxes Boxes Engraving Electro Screw-driver Ammonia	22.05 1.50 1.50
	Eimer & Amend	Dishes	2.80
	do	do	1.75
	do	do	2.80 17.50 1.75 1.75
6	L.O. Howard	Expenses	5. 25 45. 00 52. 50
8	Ino Schmitt	Boyes	52.50
	The Maurice Joyce Engraving Co	Engraving	. 75 . 19
	do	Electro	. 19
10	Mackall Bros	Ammonia	.80
14	Geo. F. Muth & Co	Wire	2.00
10	W. C. Newton & Co	Wire Electros Passenger transportation	1.25 5.30
19	E. J. Oslar	Passenger transportation	3.00
21 22	do L. O. Howard Queen & Co., Incorporated Jno. Schmitt The Maurice Joyce Engraving Co do Rudolph, West & Co. Mackall Bros Geo. F. Muth & Co. W. C. Newton & Co. Gulf, Western Texas and Pacific Rwy. Co. E. J. Oslar Emil Greiner R. Shorrock do	Specimens Forceps Photos -do	4. 05 3. 40
22	R. Shorrock	Photos	3.40
	do	do do Engraving do Drawings Engravings do do do Reparing block of insects Electro Salaries	2.57 1.00 5.74 1.75 8.75 8.75 1.75
	do H. C. Jones do	Engraving	5.74
	do	do	1.75
	do	Engravings	8.75
	do	dodo	1.75
99	T Continue Co	do	1.75 1.07
23	U. Grottenthaler Co. W. C. Newton & Co. E. A. Schwarz et al	Electro	2.50
31	E. A. Schwarz et al	Salaries	1,316.80
	Total second quarter		4,773.80
1899			
Jan. 3	C. H. T. Townsend	Salary Traveling expenses Pamphlet cases	100.00
	do The Randolph Paper Box Co. E. J. Pullman Bausch & Lomb Optical Co. H. C. Jones W. C. Newton & Co. H. H. Brown	Pamphlet cases	71.70 25.00
4	E. J. Pullman	Photo supplies Labels Engraving Electros	. 95
	Bausch & Lomb Optical Co	Labels	1.56 12.57
	W. C. Newton & Co.	Electros	2.95
	H. H. Brown	Films	3.60
6 7	L.O. Howard	Traveling expenses	14.80 3.00
12	The Geo. W. Knox Express Co.	Transportation	.50
16	H. H. Brown L. O. Howard Norfolk and Washington Steamboat Co. The Geo. W. Knox Express Co. Geo. F. Muth & Co. Rudolph, West & Co. R. C. M. Burton Jas B Lambia	Films Traveling expenses Passenger transportation Transportation Varnish	. 56 2. 00
19	Rudolph, West & Co	Lantern and compass	2.00 45.94
20	Jas. B. Lambie	Varnish Lantern and compass Fumigating tents Oiler and hammer Specimens Transportation do	45, 54
20 24	Jas. B. Lambie F. L. Harvey Adams Express Co.	Specimens	6.50 7.70
28	Adams Express Co	Transportation	7.70 4.25
.30	Houston and Texas Central R. R. Co	Passenger transportation	4.25 8.40
	The Heliotype Printing Co	Printing violets	55.00
31 Fob 1	E. A. Schwarz et al	Salaries.	1,345.10
Feb. 1	Houston and Texas Central R. R. Co The Heliotype Printing Co E. A. Schwarz et al Bausch & Lomb Optical Co Whitall, Tatum & Co H. C. Jones W H Butler	Passenger transportation Printing violets Salaries Steel measures Vials Engraving Glass	4.94
	H.C.Jones	Engraving	18.18
	W. H. Butler	Glass	.77

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. ENTOMOLOGICAL INVESTIGATIONS—Continued.

D		Name.	Noture of normant	Total.
Date	е.	Name.	Nature of payment.	Total.
1899		0.17	Destant on chiestine	SO PM
Feb.	16	Carl Zeiss	Postage on objective	\$0.75 1.60 52.50
	55	R. Shorrock	Royas	1. 00 59 50
	23 24	Howar C. Jones	Engaginge	1 75
	25	E I Pullman	Slides	1.75 7.50
	20	W.C. Newton & Co	Wood cut	25
:	28	R. Snorrock Jno Schmitt Harry C. Jones E. J. Pullman W. C. Newton & Co Galveston, Harrisburg and San Antonio Rwy, Co.	Photos Boxes Engravings Slides Wood cut Passenger transportation	. 25 37. 40
		Rwy. Co. Atchison, Topeka and Santa Fé Rwy. Co. E. A. Schwarz et al Hensel, Bruckmann & Lorbacher Atchison, Topeka and Santa Fé Rwy. Co. International and Great Northern R. R. Co. G. C. Watson Whitall. Tatum & Co. O. Standinger and A. Bang-Haas W. C. Newton & Co. Harry C. Jones Eimer & Amend Queen & Co. Incorporated United States Express Co. Z. D. Gilman F. A. Schmidt Angust Busck Rudolph, West & Co. Harry C. Jones Bausch & Lomb Optical Co. Harry C. Jones Bausch & Lomb Optical Co. Harry C. Jones United States Express Co. Larry C. Jones Dio. Green Whitall, Tatum & Co. Western Union Telegraph Co. Queen & Co., Incorporated International and Great Northern R. R. Co. Galveston, Harrisburg and San Antonio Rwy. Co. W. C. Newton & Co.	Salarias	1.60 1,219.80
Mar.	1	Hongol Panalymonn & Loubachon	Salaries Custom-house charges	1,219.00
mar.	1	Atchison Topoka and Santa Fé Rwy Co	Custom-house charges	1. 25 1. 60
		International and Great Northern R. R. Co.	do	2 45
	2	G. C. Watson	Fumigator	2. 45 2. 15
	~	Whitall, Tatum & Co	Battery jars	12.68
	3	O. Standinger and A. Bang-Haas	Collection insects	12. 68 2. 70
	- 1	W. C. Newton & Co	Election	10.60
	7	Harry C. Jones	Engraving	3.76
		Eimer & Amend	Retort stand, etc	1.56
		Queen & Co., Incorporated	Slide boxes	15.00
	9	United States Express Co	Transportation	. 75 4. 79
		Z. D. Gilman	Chemicals	4.79
	11	F. A. Schmidt	Passenger transportationdodo Fumigator Battery jars Collection insects Election Engraving Retort stand, etc Slide boxes Transportation Chemicals Brushes Traveling expenses	195. 82
	16	August Busck	Brushes. Traveling expenses Wire Engraving Ctircles Engraving Achromatic Jars Telegraph service Forceps, etc Passenger tran-portation do	195. 82
	17	Hanny C. Jones	Wire	. 30
-	20	Bancah & Lomb Ontical Co	Circles	. 30 1. 75 2. 90
	20	Harry C. Jones	Engraving	2.90
		Ino Green	Achromatic	1.75 12.50
	- 1	Whitall Tatum & Co	Jare	19.16
	21	Western Union Telegraph Co	Telegraph service.	4.60
-	21 22 25	Queen & Co., Incorporated	Forceps, etc	6.86
1	25	International and Great Northern R. R. Co.	Passenger transportation	1.10
	1	Galveston, Harrisburg and San Antonio	do	1.10 37.40
	1	Rwy. Co. W. C. Newton & Co		
		W. C. Newton & Co	Electros	. 75 1, 345. 10
	31	E. A. Schwarz et al.	Salaries	1,345.10
		Total third quarter		4,751.21
		Total third quarter		4, 101. 21
Apr.	3	Whitall, Tatum & Co	Battery jars	18.58
-	- 1	Jno. C. Parker W. H. Butler	Battery jars Transfer cases	4.20
	5	W. H. Butler	Glass	25, 50
	6	Jno. Schmitt Library Bureau	Transfer cases Glass Insect boxes Steel rules Traveling expenses Cotton Muslin Film Dishes	52. 50 1. 50
-	11	Library Bureau	Steel rules	1.50
	12	A. D. Hopkins Mackall Bros Rufus P. Clarke H. H. Brown	Traveling expenses	18.00
	- 1	Mackall Bros	Cotton	1.68
		Ruius P. Clarke	Muslin	. 90
	12	H. H. Brown	Film	. 52
	17	Raugah & Lomb Ontical Co	Migroscopo	15.70
- 7	22	P Wann & Co	Rone meal	12.56
-	15 17 22 25 27 29	Mills F. Charke H. H. Brown do Bausch & Lomb Optical Co P. Mann & Co Missouri, Kansas and Texas Rwy. Co Hugh Reilly M. A. Frazar Library Bureau E. A. Schwarz et al Z. D. Gilman E. J. Pullman L. O. Howard Thos. Somerville & Sons Henry H. Brown Rufus P. Clarke J. M. Thorburn & Co Whitall, Tatum & Co J. P. Brass T. D. A. Cockerell E. A. Schwarz et al Fred A. Schmidt Jno. Green Z. D. Gilman	Dishes Microscope Bone meal Passenger transportation Pencils Net, etc Index cards Salariae	2.60 2.85
	27	High Reilly	Pencils	. 52
-	29	M. A. Frazar	Net. etc.	1.85
		Library Bureau	Index cards	1.85 5.20
		E. A. Schwarz et al.	Salaries	1, 323, 15
May :	11	Z.D. Gilman	Alcohol Photo supplies Traveling expenses Nozzles Slide case Silosia	1, 323. 15 4. 48
		E. J. Pullman	Photo supplies	1.05
		L.O. Howard	Traveling expenses	58.58
1	17	Thos. Somerville & Sons	Nozzles	5, 60
		Henry H. Brown	Slide case	2. 50 1. 25
	10	Rufus P. Clarke	Silesia	1.25
	18	J. M. Thorburn & Co	Seeds	5.00
	10	winitall, Tatum & Co.	Vials	27. 73
	19	T. D. A. Cookenall	Sand	27.73 1.50 37.10
	26 31	E A Sahwanz et al	Calarias	1 270 07
June	1	Fred A Schmidt	Bristol board	1,370.95
o une	$\frac{1}{2}$	Jno Green	Long	1. 53 12. 50 65. 09 6. 65
	13	Z D Gilman	Rubbar stonnars	65.00
1	10	W. C. Newton & Co	Electros	6 65
i		Adams Express Co	Transportation	3 65
	24 +	PI COS CO	do	3. 65 3. 15
	24	do		
;	24	dodo	do	90
;	24	do do A. D. Hopkins	do Traveling expenses	90
;	24 26 27	dodo	Traveling expenses Passenger transportation	90
;	24 26 27	Rufus P. Clarke J. M. Thorburn & Co Whitall, Tatum & Co J. P. Brass T. D. A. Cockerell E. A. Schwarz et al Fred A. Schmidt Jno. Green Z. D. Gilman W. C. Newton & Co Adams Express Co do do A. D. Hopkins Southern Rwy. Co San Antonio and Aransas Pass Rwy. Co do do L. D. College College Survey Co San Antonio and Aransas Pass Rwy. Co do do L. D. College College Survey Co San Antonio and Aransas Pass Rwy. Co do do L. D. College College Survey Co Su	do Traveling expenses Passenger transportation do	211. 16 77. 00 5. 30 1. 85

## ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 27	Pennsylvania R. R. Co	Passenger transportation	\$57.93
28 29	F. C. Pratt L. O. Howard		15. 98
30	E. A. Schwarz et al	Expenses Salaries	1.50 1,358.07
00			
	Total fourth quarter		4,825.78
	Supplemental.		
July 1	Bausch & Lomb Optical Co	Labels, etc	3.95
	Queen & Co., Incorporated	Pins.	12.00
5	F.C.Pratt		8.10
11	David Adams		18.00
10	F. H. Chittenden	Traveling expenses	7.29
12	United States Express Co	Transportation	3.1
	do		2.40
10	do	do	2.95
18	A. D. Hopkins	Traveling expenses	
	T. D. A. Čockerell		17.15
	E. J. Pullman Church & Stephenson	PlatesLumber	1. 40 3. 10
19	Rudolph, West & Co	Wire, etc.	
20	Jno. C. Parker	Stencil paper	3, 98
Aug. 3	Astoria and Columbia R. R. Co	Passenger transportation	1.20
Aug. 0	Great Northern Rwy. Co	do	3, 00
	Corvallis and Eastern R. R. Co.	do	2.85
	Northern Pacific Rwy Co	do	23. 25
12	Northern Pacific Rwy. Co Bausch & Lomb Optical Co Adama Evypoor Co	Camera	30.00
16	Adams Express Co	Transportation	6.05
	do		1.00
	do	do	. 60
	do	do	3.08
	W. C. Newton & Co	Electro	. 50
17	American Entomological Co	Insect boxes	52.50
	do	Label holders	2.50
Sept. 6	The Oregon Railroad and Navigation Co.	Passenger transportation	3.40
	The Atchison, Topeka and Santa Fé Rwy.	do	61.27
	Spokane Falls and Northern Rwy. Co	do	2.40
	Oregon Short Line R. R. Co	do	13.75
16	B. T. Grigsby Southern Pacific Co.	Drayage	. 40
19	Southern Pacific Co	Passenger transportation	11.90
	do	do	5.40
	The Oregon Railroad and Navigation Co.	do	14.20
20	United States Express Co	Transportation	29.10
	do		3.30
0 1 10	do	do	5. 95
Oct. 12	A. D. Hopkins Adams Express Co	Report on insects	400.00
18	Adams Express Co	Transportation	3. 40 2. 10
Nov. 6	Nowthown Pacific Prov. Co.	Pagangon transportation	2. 10 5. 50
NOV. 6	Northern Pacific Rwy. Co Oregon Short Line R. R. Co	rassenger transportation	53.84
	Oregon phore time to to O	uv	99.04
	Total		859.92

#### RECAPITULATION.

First quarter	\$4,460,78
Second quarter	4, 773, 80
Third quarter	4,751.21
Fourth quarter	4,825.78
Supplemental	859.92

## VEGETABLE PATHOLOGICAL INVESTIGATIONS.

Total \_\_\_\_\_\_ 19,671.49

Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 16 17 19	E. F. Smith et al.  Bausch & Lomb Optical Co. E. F. Smith Washington Gas Light Co. Z. D. Gilman	Slips Traveling expenses Gas	8.17 1.60

D	ate.	Name.	Nature of payment.	Total,
1	.898.	-		
Au	ıg. 19	E. J. Pullman	Photo. supplies	\$7.83
		do Mackall Bros	Cy. potassium	3.50 4.50
		do	Chemicals	9 91
		Rudolph, West & Co	Galvanized wire	1.50
	95	N. B. Pierce	Salary	150.00
	25 31	do Rudolph, West & Co N. B. Pierce Ernest Betz E. F. Smith et al Chas. S. White M. B. Waite Paul Hiser, jr., & Bro N. B. Pierce Norfolk and Washington Steamboat Co W. T. Swingle E. S. Schmid	Cy, potassium Chemicals Galvanized wire Salary Tin boxes Salaries	150.00 1.00 1,047.70 10.00
		Chas. S. White	Sod	10.00
Se	pt. 1	M. B. Waite	Traveling expenses Flower pots, etc Salary	24.84
	10 14	N R Pierce	Salary	9.75 $150.00$
	15	Norfolk and Washington Steamboat Co	Passenger transportation	5.00
	17	W. T. Swingle	Passenger transportation Salary Labels Rubber caps	5.00 168.50
	20 22	W. T. Swingle E. S. Schmid Eimer & Amend Norfolk and Carolina R. R. Co Chas. White E. F. Smith et al	Labels	1.50 7.20 1.20
	26	Norfolk and Carolina R. R. Co	Passenger transportation	1.20
	29	Chas. White	Passenger transportation	2.00
	30	E. F. Smith et al.	Salaries	1,014.60
				3,674.27
		Total first quarter		0,014.21
Oc	t. 1	Z.D. Gilman	Bisulph. carbon	1.75
		Z. D. Gilman Washington Gas Light Co M. B. Waite	Gas Traveling expenses Sacks	3.30
	3			14.67
	6	Merck & Co	Chemicals	2.72 1.90
	14 17	Merck & Co Washington Gas Light Co N. B. Piercedo Library Bureau Z. D. Gilman Baltimore Chasaneaka and Atlantic Rwy	Chemicals	3.30
	17	N.B. Pierce	Salary	150.00
	50	Library Puropy	Expenses Pamphlet cases	15.75
	19 20 22 24	Z. D. Gilman	Acid, etc	2.40 2.87
	24	During C, Chesapeake and Trumbie It ii j.	Passenger transportation	1.95
	31	Co.	Calania.	1 047 70
No	ov. 3	E. F. Smith et al	Salaries Formalin	1,047.70 .58
	8	Washington Gas Light Co	Gas.	4,00
	9	Mackall Bros. Washington Gas Light Co. Newton B.Piercedo. E.F. Smith N. B. Pierce	Gas. Expenses	4.00 37.96 41.15
	16	F F Smith	Thoraling ampages	41.15
	21	N. B. Pierce	Salary	33. 10 150. 00
		do	Expenses	39.91
	30	Bausch & Lomb Optical Co	Repairing shutters	1.88
		A. S. Pierce do Bausch & Lomb Optical Co Library Bureau Erwin F. Smith et al E. J. Pullman	Traveling expenses Salary Expenses Repairing shutters Cards Salaries Solio paper Labor	3.40
De	c. 2	E. J. Pullman	Solio paper	1, 128. 80 2. 25 3. 00
			Labor Hardware Objective	3.00
	5	J. W. Watson Eimer & Amend	Hardware	14.35
	0	do	Camera	38.40 15.10
		A. Corell Z. D. Gilman	Labor	4.75 1.12
	8	Z. D. Gilman	Alcohol	1.12
	10	Baltimore and Ohio R. R. Co	Case Gas	4.45 4.60
	15	N. B. Pierce	Camera Labor Alcohol Passenger transportation Gas Salary Passenger transportation	150,00
	19	Grand Trunk Rwy. System	Passenger transportation	150.00 3.38 17.00
	21	Boston and Albany R. R. Co	Knife etc	17.00
	41	Frank Dean	Salary	1.19 20.00
	31	Washington Gas Light Co. N. B. Pierce Grand Trunk Rwy. System Boston and Albany R. R. Co. J. W. Watson Frank Dean Erwin F. Smith et al.	Salary Passenger transportationdo Knife, etc Salary Salaries	1,108.30
		Total second quarter		4,076.98
	899.			
Jar	ı. 3	Clark & Zugalla	Pocket heater	1.00
	5	Oscar Loew J.P. Howie	Vagatives	26.15 8.00
		Library Rureau	Index cards	6.85
		do	Traveling expenses Negatives Index cards do	2.45
	6	Chicago & Wostown Michigan Day C	Passenger transportation	14.25
		Grand Trunk Rwy. System	Passenger transportation do do Gas Soap and cotton	14. 25 2. 44 1. 34
	16	Washington Gas Light Co	Gas	2.70
	10	Z. D. Gilman	Soap and cotton	2.70 1.95
	17 19	N. B. Pierce.	Salary	150.00
	15	Bausch & Lomb Ontical Co	Salary Plants Circles, slips, etc	27.33 8.25
		do  do  do  do  chicago & Western Michigan Rwy. Co.  Grand Trunk Rwy. System  Washington Gas Light Co.  Z. D. Gilman  N. B. Pierce  Oswald Weigel  Bausch & Lomb Optical Co.  Frank Dean  Chas. C. Van Horn  E. J. Pullman	Labor	20.00
	21 26	Chas. C. Van Horn	Labor Welsbach light Photo supplies	4.50 15.23

Date.	Name.	Nature of payment.	Total
1899.			***
an. 28	Adams Express Co. Erwin F. Smith et al E. W. D. Holway Grand Trunk Rwy. System Whitall, Tatum & Co. Thos. Somerville & Sons	Transportation	\$0 1,133
'eb. 1	E W D Holway	Salaries Dried plants.	1,100
60. 1	Grand Trunk Rwy. System	Passenger transportation	4
	Whitall, Tatum & Co	Flasks	3
	Thos. Somerville & Sons	Pump	1 25 15 1 3
3	Southern Rwy. Co	Passenger transportation	25
	United States Express Co. Bausch & Lomb Optical Co.	Transportation	10
6	Rausch & Lomb Ontical Co	Syringes	9
U	Jno. C. Parker	Syringes Dictionary stand	4
	Jno. C. Parker Z. D. Gilman	Lamp	1
8	Thos. Somerville & Sons	Brushes	
. 10	E. S. Schmid	Repairs to pump. Labels and wire	20
	Frank Dean	Labers and wire	90
16	N R Pierce	Labor Salary	150
20	Eimer & Amend. Washington Gas Light Co. Adams Express Co. Mackall Bros	Tubes	2
25	Washington Gas Light Co	Gas	]
	Adams Express Co	Transportation	į
28	Mackall Bros Ernest Betz	Acid Zinc tags	, 8
40	E. F. Smith et al	Salaries	1,028
ar. 1	E. L. Brady & Co	Fertilizers	1,000
	F. L. Budge Oswald Weigel	Pitcher pump	1
3	Oswald Weigel	Plants	4
1.6	Merck & Co	Chemicals	.6
14	Frank Dean	Labor	20
	A. B. Garden	Six pots hyacinths	2
15	A. B. Garden Washington Gas Light Co Thos. Somerville & Sons	Gas	2
17	Thos. Somerville & Sons	Stopcock Sulphuric acid	
	Z. D. Gilman The Lenox Sprayer Co	Sulphuric acid	5
20	E. J. Pullman	Bordeaux mixture	1
24	N. B. Pierce	Photo supplies Expenses	38
~ 1	do	do	40
25	Florida Central and Peninsula R. R	Passenger transportation	11
31	Erwin F. Smith et al	Salaries	1,162
	Total third quarter		4,019
pril 3	Ernest Betz	Zinc tags	6
	Rufus P. Clarke	Toweling	5
5	G. W. Moss	Passenger transportation	64
11	Library Bureau Emil Greiner	Index cardsPipetts	2
	H. C. Jones	Engraving	8
	A.B. Seymour	Engraving Slide boxes	2
15	Z. D. Gilman	Laboratory supplies	3
17	Frank Dean	Labor	20
18	C.O. Bryant Eimer & Amend	Cedar oil	5
	T. M. Whitney	Cider	, 1
	Mackall Bros	Corks	16
19	do	Laboratory supplies	14
22	N. B. Pierce	Corks Laboratory supplies Salary, February Salary, March	150
	M.B. Waite	Traveling expenses	150 10
	Bausch & Lomb Optical Co	Aplanatic triplet	8
	Bausch & Lomb Optical Co Merck & Co Eimer & Amend	Traveling expenses Aplanatic triplet Laboratory supplies	18
24	Eimer & Amend		1
	woodward & Lothrop	Clas	
		Gas Tables	16
97	Washington Gas Light Co		30
27 29	Woodward & Lothrop Washington Gas Light Co Frank T. Budge A. J. Killen	Experiments with sweet pota-	90
27 29		toes	
29 ay 1		toes	1, 144
29 ay 1 5	Erwin F. Smith et al Kelsey Press Co Albert F. Woods	toes. Salaries Packing and cartage Traveling expenses	1, 144 2 32
29 ay 1	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman	toes. Salaries Packing and cartage Traveling expenses Lime, etc	1, 144 2 32 4
29 ay 1	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman R. Carter Ballantyne	toes. Salaries Packing and cartage Traveling expenses Lime, etc. Paper	1, 144 2 32 4 10
29 ay 1 5 11	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman R. Carter Ballantyne E. J. Pullman	toes. Salaries Packing and cartage Traveling expenses Lime, etc Paper Plates	1, 144 2 32 4 10 2
29 ay 1	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman R. Carter Ballantyne E. J. Pullman A. Corell Kny Scheerer Co	toes. Salaries Packing and cartage Traveling expenses Lime, etc Paper Plates Hauling plants	1, 144 2 32 4 10 2 3 12
29 ay 1 5 11	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman B. Carter Ballantyne E. J. Pullman A. Corell Kny Scheerer Co Frank Dean	toes. Salaries Packing and cartage Traveling expenses Lime, etc Paper Plates Hauling plants Thermometers Salary	1, 144 2 32 32 4 10 2 3 12 25
29 (ay 1 5 11 17	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman R. Carter Ballantyne E. J. Pullman A. Corell Kny Scheerer Co Frank Dean. Merck & Co	toes. Salaries Packing and cartage Traveling expenses Lime, etc Paper Plates Hauling plants Thermometers Salary Chemicals.	1, 144 2 32 32 4 10 2 3 12 25 28
29 ay 1 5 11	Erwin F. Smith et al Kelsey Press Co Albert F. Woods Z. D. Gilman B. Carter Ballantyne E. J. Pullman A. Corell Kny Scheerer Co Frank Dean	toes. Salaries Packing and cartage Traveling expenses Lime, etc Paper Plates Hauling plants Thermometers Salary	1, 144 2 32 4 10 2 3 12 25

Date.	Name.	Nature of payment.	Total.
1899.			
May 26 31	M. B. Waite Erwin F. Smith et al Mackall Bros G. L. Taber H. J. Webber do Edwd. S. Schmid Erank Dean	Traveling expenses Salaries Xylol Labor Traveling expensesdo Labels Salary Engraving Passenger transportation Clearing land Salary, April Salary, May Expenses, January Expenses, February Expenses, March Expenses, March Expenses, March Sod Boiler, etc	\$10.13
June 1	Mackall Bros	Xvlol	1,279.38 3.00
2	G. L. Taber	Labor	3.75
6	H. J. Webber	Traveling expenses	143.50 23.91
13	Edwd. S. Schmid	Labels	1.50
	Frank Dean Galvanotype Engraving Co International Navigation Co A. Corell Newton B. Pierce do do do	Salary	25, 00
	International Navigation Co	Engraving	2.00 114.25
16	A. Corell	Clearing land	70.00
21	Newton B. Pierce	Salary, April	150.00
	do do	Expenses January	150.00 30.91
		Expenses, February	36.35
	do :dododo	Expenses, March	40.11
	do	Expenses, May	30. 23 12. 80
	Chas. White.	Sod	12,50
22 22	Chas. White.  J. K. Purinton & Co  Jacksonville, Tampa and Key West Rwy.	Boiler, etc Passenger transportation	40, 00 3, 40
752	Co.	Passenger transportation	
24	Z.D.Gilman	Bottle, etc	24.20
27	W. C. Newton & Co	Wood cuts Passenger transportation	24.20 4.70 2.65
21	Pennsylvania R. R. Co.	do	12.79
	Florida Central and Peninsular R. R.	Photo supplies	6.45 12.33 7.50
29	E. J. Pullman Washington Gas Light Co	Photo supplies	12.33
30	Co. Z. D. Gilman W. C. Newton & Co Southern Rwy. Co Pennsylvania R. R. Co. Florida Central and Peninsular R. R. E. J. Pullman Washington Gas Light Co. E. F. Smith et al	Gas Salaries	1,608.10
	Total fourth quarter		5, 706, 04
	Supplemental.		
July 1	Bausch & Lomb Optical Co	Squares, circles, etc	17.18
6	Bausch & Lomb Optical Co.  Atlantic Coast Line R. R. Co. of South Carolina.	Passenger transportation	16.50
12	Eimer & Amend	Laboratory apparatus Specimens fungi Pipettes Hydrogen	7.70
	A. B. Seymour Emil Greimer	Pinettes	6.11 3.71
	Emil Greimer Merck & Co	Hydrogen	2 40
	do	Iron, etc	. 63 4. 05
17	United States Express Co	Transportation	169. 50
18	M. B. Waite. Chas. R. Edmonston. E. J. Pullman. Z. D. Gilman Rudolph, West & Co Mackall Bros. Hugh Reilly. W. H. Butler.	house. Traveling expenses Dishpan Lantern slides Chemicals	2.50
	Chas. R. Edmonston	Dishpan	1.00
	Z. D. Gilman	Chemicals	14.00 5.86
19	Rudolph, West & Co	Hinges, etc Bottles, etc	1.05
	Mackall Bros	Paint	18.10 1.15
	W. H. Butler	Window glass	7.04
20	W. H. Butler Bausch & Lomb Optical Co Washington Gas Light Co	Objectives, etc	94.03
21 22	Washington Gas Light Co	Window glass Objectives, etc Gas Expenses	6. 10 12. 40
	N. B. Pierce do Frank Dean Merck & Co	Salary Services Soda fluoride Manganese sulphate Lumber	150.00
25 28	Frank Dean	Services	25.00 7.50
28	do	Nanganese sulphate	1.84
	Church & Stephenson	Lumber	3.32
	do Church & Stephenson	Screen door Brass plate, etc	1.25 5.85
	E. H. Jones	Sprayers	16,00
	Bausch & Lomb Optical Co	Sprayers Watchmakers' glass	. 79 7. 60
	Library Bureaudo	Index cards	7.60 4.90
Aug. 3	do	Index cards Library Bureau cards Passenger transportation	28.53
	Savannah, Florida and Western Rwy Co.	do	9.10
	Southern Rwy Co	dodo	16.75 4.25
	Merck & Co Blue Line Transfer Co The Conrad & Jones Co Wm. Kraft Merck & Co Z. D. Gilman	Chemicals	5, 69
4 12	Blue Line Transfer Co.	Chemicals Transportation	.70 3.00
12	Wm. Krafft	Violet plant	3. 00 60, 00
14	Merck & Co	Violet plant Microscope Chemicals	60, 00 4, 26
	Z. D. Gilman	Beakers Flasks, etc Asphaltum	102.24 $25.41$
	Geo. F. Muth & Co		

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1899.	**		
Aug. 16	Thos. Somerville & Sons. Biscayne Lumber and Supply Co	Repairing pump	\$4. 43. 5. 5.
19	Biscayne Lumber and Supply Co	Lumber	- 43.
23	Merck & Co	Chemicals	- 5.
	do Chas. Becker F. A. Tschiffely, jr Jas. Frawley R. A. Emerson E. J. Pullman	Lead	
	Chas. Becker	Lead	_ 10.
26	Tog Frowley	Bottles Manure	8. 6.
26 30	R A Emerson	Sarvices	12.
Sept. 1	E.J. Pullman	Services Photo supplies Transportation Hauling	8.
opt. I			Ī .
5	Blue Line Transfer Co A. Corell Merck & Co Page Woven Wire Fence Co Pennsylvania R. R. Co Thos. Cook & Son Frank A. Budge H. J. Webber Merck & Co Mackall Bros	Hauling	2
	Merck & Co	Zinc, etc. Fence and gates. Passenger transportation	9.
	Page Woven Wire Fence Co	Fence and gates	126.
6	Pennsylvania R. R. Co	Passenger transportation	_ 6.
	Thos. Cook & Son	do	63.
18	Frank A. Budge	Nails, etc	. 1
20	H.J. Webber	Traveling expenses	. 123
oct. 21	Merck & Co	Tribrom phenoi	4
oct. 4	Librory Duncon	Cond coss	- 1
24	Mackall Bros Library Bureau B. F. Galloway	Acids Card case Expenses	33
~1	B.F. Ganoway	Expenses	
	Total		1,367
			1
irst an	RECAPITULA arter		\$3 674
econd o	arter Juarter Jarter		\$3,674 4,076
hird gu	iarter		4,019
ourth	quarter iental		5,706 1,367
upplen	iental		1,367
To	tal		18,843
To	•		18,843.
To Date.	tal		18,843.
Date.	VEGETABLE PATHOLOGY—I	RENT OF BUILDINGS.  Nature of payment.	Total
Date.	VEGETABLE PATHOLOGY—I	RENT OF BUILDINGS.  Nature of payment.	Total
Date.	VEGETABLE PATHOLOGY—I	RENT OF BUILDINGS.  Nature of payment.	Total
Date.	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total
Date.	VEGETABLE PATHOLOGY—I	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total
1898. ug. 6 ept. 10	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado  Total first quarter	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total - \$55 - 55 - 110
Date.  1898ug. 6 ept. 10	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado  Total first quarter	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total
1898. .ug. 6 ept. 10	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado  Total first quarter	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total
1898. .ug. 6 ept. 10	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total
Date.  1898ug. 6 ept. 10  oct. 1 fev. 3 ecc. 2	VEGETABLE PATHOLOGY—I  Name.  Jno.F.Sheado  Total first quarter	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo	Total - \$55 - 110 - 55 - 55 - 55
1898. Lug. 6 ept. 10 Oct. 1 fev. 3 Occ. 2	Name.  Name.  Jno. F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo  Rent of laboratorydo  dodo	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ecc. 2	Name.  Jno.F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo  Rent of laboratorydo  Rent of laboratorydo	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ecc. 2	Name.  Jno.F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo  Rent of laboratorydo  Rent of laboratorydo	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ecc. 2	Name.  Name.  Jno. F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo  Rent of laboratorydo  Rent of laboratorydo	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ecc. 2	Name.  Jno.F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydo  Rent of laboratorydo  Rent of laboratorydo  Rent of laboratorydo do	Total - \$55 - 55 - 110 - 55 - 55 - 185 - 155 - 55 - 55 - 55 - 55 - 55 - 55 -
1898ug. 6 ept.10  oct. 1 fev. 3 ec. 2  1899. an. 5 eb. 4 far. 3	Name.  Jno.F. Shea	Rent of laboratory  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  do  ado  ado  ado  do  do  do	Total - \$55 - 55 - 110 - 55 - 55 - 185 - 55 - 185 - 55 - 185
Date.  1898ug. 6 ept. 10  ect. 1 cov. 3 ecc. 2  1899. an. 5 eb. 4 far. 3	Name.  Name.  Jno. F. Shea	Rent of laboratory  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  do  ado  ado  ado  do  do  do	Total - \$55 - 55 - 110 - 55 - 55 - 165 - 55 - 165
1898. ug. 6 ept. 10 ect. 1 ev. 3 ec. 2 1899. an. 5 eb. 4 far. 3 apr. 3 fay 4	Name.  Name.  Jno. F. Shea	Rent of laboratory  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  do  ado  ado  ado  do  do  do	Total - \$55 - 55 - 110 - 55 - 55 - 165 - 55 - 165
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ec. 2 1899. an. 5 eb. 4 far. 3	Name.  Jno.F. Shea	RENT OF BUILDINGS.  Nature of payment.  Rent of laboratorydodo	Total - \$55 - 55 - 110 - 55 - 55 - 185 - 55 - 185 - 55 - 185
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ec. 2 1899. an. 5 eb. 4 far. 3	Name.  Jno.F. Shea	Rent of laboratorydododododo	Total - \$55 - \$55 - \$110 - \$55 - \$55 - \$165 - \$55 - \$165 - \$55 - \$55 - \$55 - \$55 - \$55 - \$55
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ec. 2 1899. an. 5 eb. 4 far. 3	Name.  Name.  Jno. F. Shea	Rent of laboratory  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  do  ado  ado  ado  do  do  do	Total - \$55 - \$55 - \$110 - \$55 - \$55 - \$165 - \$55 - \$165 - \$55 - \$55 - \$55 - \$55 - \$55 - \$55
1898. .ug. 6 ept. 10 ect. 1 fev. 3 ec. 2 1899. an. 5 eb. 4 far. 3	Name.  Name.  Jno.F. Shea	Rent of laboratorydododododo	Total - \$55 - \$55 - \$110 - \$55 - \$55 - \$165 - \$55 - \$165 - \$55 - \$55 - \$55 - \$55 - \$55 - \$55
1898. u.g. 6 ept. 10 ect. 1 fov. 3 ecc. 2 ls99. an. 5 eb. 4 far. 3 lay 4 une 13	Name.  Name.  Jno. F. Shea	Rent of laboratorydododododo	Total  - \$55 - 55 - 110 - 55 - 55 - 55 - 165 - 55 - 55 - 55 - 165
1898. u.g. 6 ept. 10 ect. 1 fov. 3 ecc. 2 ls99. an. 5 eb. 4 far. 3 lay 4 une 13	Name.  Name.  Jno.F. Shea	Rent of laboratorydododododo	Total  - \$55 - 55 - 110 - 55 - 55 - 55 - 165 - 55 - 55 - 55 - 165
Date.  1898ug. 6 ept. 10  2ct. 1 fev. 3 ec. 2  1899. an. 5 eb. 4 far. 3  Lpr. 3 fay 4 une 13	Name.  Jno.F. Shea	Rent of laboratory  do  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  TION.	Total - \$55 - 55 - 110 - 55 - 55 - 165 - 55 - 165 - 55 - 55 - 165 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -
1898.  1898.  1898.  1900.  100ct. 1  10cv. 3  10cc. 2  1899.  180. 4  191. 3	Name.  Jno.F. Shea	Rent of laboratory  do  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  TION.	Total - \$55 - 55 - 110 - 55 - 55 - 165 - 55 - 165 - 55 - 55 - 165 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -
Date.  1898ug. 6 ept. 10  2ct. 1 fev. 3 ec. 2  1899. an. 5 eb. 4 far. 3  Lpr. 3 fay 4 une 13	Name.  Jno.F. Shea	Rent of laboratory  do  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  TION.	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165 - 55 - 55 - 165 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -
Date.  1898ug. 6 ept. 10  2ct. 1 fev. 3 ec. 2  1899. an. 5 eb. 4 far. 3  Lpr. 3 fay 4 une 13	Name.  Jno.F. Shea	Rent of laboratory  do  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  TION.	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165 - 55 - 55 - 165 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -
Date.  1898ug. 6 ept. 10  cct. 1 fev. 3 ec. 2  1899. an. 5 eb. 4 far. 3  pr. 3 fay 4 une 13	Name.  Name.  Jno.F. Shea	Rent of laboratory  do  Rent of laboratory  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  do  do  Rent of laboratory  TION.	Total - \$55 - 55 - 110 - 55 - 55 - 55 - 165 - 55 - 55 - 165 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. BIOLOGICAL INVESTIGATION.

Da	ate.	Name.	Nature of payment.	Total.
18	98.			
Jul	y 14 23	H. C. Oberholser	Traveling expenses	\$11.50
	23	Dane Coolidge	Mammals	20.00
		Clark P. Streator Whitall, Tatum & Co	Rubber rings	19.50 1.25
	25	F P May & Co	Mouse trans	6.60
	30	Whitall, Tatum & Co F, P. May & Co W. H. Osgood et al. W. K. Fisher E. W. Nelson E. A. Goldman Vernon Bailey A. C. Brooks R. T. Fisher	Mouse traps Salaries Salary do do	453, 40
Aug		W. K. Fisher	Salary	100.00 151.60
		E. W. Nelson	do	151.60
		E. A. Goldman	do	101.10
	_	Vernon Bailey	Mammals	168.50 16.25
	5 9	A. C. Brooks	Mammals	16.25
	10	C. H. Merriam	Salary Traveling expenses	75.00 107.75
	10			26.00
	16	Geo M Ryram	Mammal	8.00
	23	H.J. Green Geo. M. Byram Allen C. Brooks Peter Schmid.	Barometer Mammal Mammals	8. 00 13. 70
		Peter Schmid	do	1.50 3.40
		M. S. Featherstone Easton & Rupp Mackall Bros E. J. Pullman Days Geslidge	do	3.40
	25	Easton & Rupp	Mailing tubes	. 85
		Mackall Bros	Chemicals	11.65
	977	E.J. Pullman	Photo supplies	7.88
	27	W D Molrillo	Mammais	1.00
	31	E. J. Pullman  Dane Coolidge W. P. Melville W. H. Osgood et al F. P. May & Co Vernon Bailey R. T. Fisher Walter K. Fisher E. A. Goldman A. W. Perrior Fred Stephens W. K. Fisher C. H. Merriam	Mailing tubes Chemicals Photo supplies Mammals Birds' stomachs Salaries Woyse trans	3. 25 453. 10
Sep	t. 2	F. P. May & Co	Mouse trans	24.00
.ccp		Vernon Bailey	Mouse traps. Salarydo	168.50 75.00 100.00
		R. T. Fisher	do	75.00
		Walter K. Fisher	do	100.00
		E. A. Goldman	Birds' stomachs	101, 10
	7	A. W. Perrior	Birds' stomachs	. 75 4. 00
	10	W K Ershon	Mammais	4.00
	10	C. H. Merriam	do de la companya de	3. 25 241. 25
	13	Alex Gow	Rirds' stomache	1.40
	15	Jas. B. Lambie	Trans	14.00
	20	W. H. Osgood	Traveling expenses	33.40
	20 22 28	H. J. Giddings	Birds' stomachs	1.50
	28	W. H. Osgood	Traveling expenses	15.50
	30	W II 01	do	9.00
	90	W. H. Osgood et al.	Salaries	438.80
	1	G. H. Alertiam Alex Gow Jas. B. Lambie W. H. Osgood H. J. Giddings W. H. Osgood do W. H. Osgood et al. E. A. Goldman R. T. Fisher	do	438.80 97.80 75.00
	- 1	IV. I. I IOHOI	Birds' stomachs Mammals Traveling expenses do Birds' stomachs Traps Traveling expenses Birds' stomachs Traveling expenses Birds' stomachs Salaries Salary do	10.00
	- 1	Total first quarter		3, 166, 73
	- 1	*		
Oct.	1	E. W. Nelson	Salary	151.60
	6	G. D. D. d.	do	146.80
	14	C H Morrism	Mammals	1.50 $210.50$
	18	Allan Brooks	Mammala Mammala	5. 50
	18 21 24	The Globe Company	Transfer cases	3.35
	24	Baltimore and Ohio R. R. Co.	Passenger transportation	157, 00
	0.	E. W. Nelson  do  do  do  do  Deck C. H. Merriam  Allan Brooks The Globe Company  Baltimore and Ohio R. R. Co  Vernon Bailey W. H. Osgood et al  E. W. Nelson W. H. Osgood E. A. Goldman Vernon Bailey F. W. Rapp  Willis Leake W. H. Osgood C. H. Merriam P. M. Shufeldt People's Dispatch Co A. K. Fisher W. H. Osgood et al  E. W. Nelson Vernon Bailey F. W. Shufeldt People's Dispatch Co A. K. Fisher W. H. Osgood et al  E. W. Nelson Vernon Bailey E. J. Pullman E. A. Goldman H. M. Kingsley Ernest Betz Thad Surber E. S. Thompson	Salary  do  Mammals Traveling expenses Mammals Transfer cases. Passenger transportation Salary Salaries Salary Traveling expenses Salary do	157.00 163.00
NT.	31	W. H. Osgood et al	Salaries	453. 10 151. 60
Nov	. 1	E. W. Nelson	Salary	151.60
		W. H. USGOOd	Traveling expenses	55.00
	2	Vernon Railey	barary	101.10
	~	F. W. Bann	do	168.50
	3	Willis Leake	Birds' stomachs Mammals Trayeling expenses	1. 06 1. 75 57. 20
	10	W. H. Osgood	Traveling expenses	57, 20
	11 16	C. H. Merriam	do	148.95
	16	P. M. Shufeldt	do Birds' stomachs Transportation Traveling expenses	3.00
	00	People's Dispatch Co	Transportation	3.77
	29 30	A. K. Fisher	Traveling expenses	40.45
Dec.	1	W. H. Osgood et al	Salaries	480.38
10°.	1	Vernon Bailow	Salaries Salary do Films	146.80
	2	E. J. Pullman	Films	163. 00 14. 40
	3	E. A. Goldman	Salary	97.80
	14	H. M. Kingsley	Salary Mammals Zinc holders	10.45
	17	Ernest Betz	Zinc holders	4.50
	20 21	Thad Surber	Mammals	8.00
	21	E.S. Thompson	Drawing	10.00
		waiter K. Fisher	Photographs Vials and corks	37.50
		Whitell Total Co		
		Thad Surber E. S. Thompson Walter K. Fisher Whitall, Tatum & Co Kenneth F. Beale E. J. Hardisty	Vials and corks	10. 16 12. 40

## BIOLOGICAL INVESTIGATION—Continued.

BIOLOGICAL INVESTIGATION—Continued.			
Date.	Name.	Nature of payment.	Total.
1898,			
Dec. 23	A. H. Baldwin W. H. Osgood et al	Drawings	\$105.00 526.18
91		Balaries	
	Total second quarter		3, 667. 86
1899.			
Jan. 3	E. W. Nelson Vernon Bailey E. A. Goldman F. P. May & Co F. W. Nelson A. R. Shearer C. P. Streator B. S. Stowell	Salary	151.60 168.50 101.10
	Vernon Balley	dodo	168.50
4	F. P. May & Co	Traps	75.00
	F. W. Nelson	Traps	75.00 27.50 1.50 18.75
5	C. P. Streator	Mammals	18.75
	B. S. Stowell	do	1.00
6	B. S. Stowell Southern Pacific Co. K. F. Beale	do Passenger transportation Mammals	1.00 8.90 2.75 12.23 2.65 3.00 19.74
12	Z D Gilman	Trabas ata	12. 23
21 24	E. M. Tilden A. R. Shearer W. A. Mayer	Type Birds' stomachsdo	2.65
2±	W. A. Mayer	dodo	19.74
	L. J. Cole	do	
28	L. J. Cole W. K. Vickery Adams Express Co	Transportation	4.50 15.20
	do	do Hotos	13.00
	Pennsylvania Company	Passenger transportation	17.50 20.25
	Southern Pacific Co	do	5.40
31	W. H. Osgood et al	Salaries	527 02
Feb. 1	Vernon Bailey E. W. Nelson	Salary	172. 20 155. 00 103. 30
	E. A. Goldman	do	103.30
67	F. W. Nelson	Mammals	37.50
8	Z. D. Gilman	Mammals Photo supplies Glass tubes Mammals	37.50 7.06 2.15
10	W.J. Yeager	Mammals	6.00
21	A. R. Shearer	do Birds' stomachs Wire, etc	9.00 6.00
25	Rudolph, West & Co	Wire, etc	6.00 7.17
27	W. A. Mayer	Cotton Birds'stomachs Salary Salaries	3.50 7.26
27 28	E. A. Goldman	Salary	93, 40
Mar. 1	W. H. Osgood et al.	Salaries	488. 60 140. 00
	Vernon Bailey	do	155. 60 6. 50
3 9	W. J. Yeager	Mammals	6.50
11	J. Everett McConnell	Drawings	14. 20 49. 75 2. 26 8. 80
14	Harry C. Jones	Plate	2.26
16	The Post-Office Department	Passenger transportation	8. 80 6. 95
17	J. F. Illingworth	Bird stomach	6.95 3.24 12.00
22 25 31	W. J. Veager	Mammals	12.00 3.00
31	W. H. Osgood et al	Salaries Salary do Mammals Transportation Drawings Plate Passenger transportation Maps Bird stomach Mammals do Salaries	540.70
	Adams Express Codo  do  Pennsylvania Company Baltimore and Ohio Southwestern Ry. Co. Southern Pacific Co ow. H. Osgood et al Vernon Bailey E. W. Nelson E. A. Goldman F. W. Nelson E. J. Pullman Z. D. Gilman W. J. Yeager C. P. Streator A. R. Shearer Rudolph, West & Co Mackall Bros W. A. Mayer E. A. Goldman W. H. Osgood et al E. W. Nelson Vernon Bailey United States Express Co. J. Everett McConnell Harry C. Jones Southern Pacific Co. The Post-Office Department J. F. Albott W. J. Yeager W. H. Osgood et al. U. F. J. F. Abbott V. J. Yeager W. H. Osgood et al. V. J. Yeager W. H. Osgood et al. V. F. Hilmigworth J. F. Abbott W. J. Yeager W. H. Osgood et al. Total third quarter		3, 251. 19
		1	
Apr. 1	E. A. Goldman Vernon Bailey	Salarydodo	103.30 172.20 155.00
	E. W. Nelson	do	155.00
	J. Manz & Co	Plate birds Mammals do	153.00 15.00 20.00 4.20 2.00 1.50 2.55 32.50
3	Clayton E. Stone	Mammals	20.00
3 7	B. L. Cunningham	do	2.00
$\frac{10}{12}$	Jas. S. Topham R. P. Clarke	Leather handles, etc	1.50 2.55
14 17	Chas. M. Barber	Mammals	32.50
17	J. F. Illingworth	do do Leather handles, etc Thread Mammals Birds' stomachs Lumber Mammals	4.50 3.72 2.50 6.00
22	K. F. Beale	Mammals	2.50
	W. J. Yeager	do	6.00
24	Henry J. Green	Renairing harometer	3.00
00	J. Vansant, jr	Photographs of California	4 90
29	A. K. Shearer	Birds' stomachs	7.50 517 70
May 1	L. A. Fuertes	Drawings	7.50 517.70 50.00
	W. E. Snyder Thomas Haves	Mammals	6.00
2	E. A. Goldman Vernon Bailey E. W. Nelson J. Manz & Co W. Frakes Clayton E. Stone B. L. Cunningham Jas. S. Topham R. P. Clarke Chas. M. Barber J. F. Illingworth Church & Stephenson K. F. Beale W. J. Yeager Robt. Gair Henry J. Green J. Vansant, jr A. R. Shearer W. H. Osgood et al L. A. Fuertes W. E. Snyder Thomas Hayes E. A. Goldman	do Seed bags Repairing barometer Photographs of California Birds' stomachs Salaries Drawings Mammals do Salary	10.25 98.90

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd, BIOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 2	Wm. L. Bray Vernon Bailey	Salary	\$100.00 164.80
	E. W. Nelson	do	148, 30
3	E. W. Nelson S. D. Judd C. Hart Merriam	Traveling expenses	5. 33 16. 85
8 10	C. Hart Merriam Jas. S. Topham	Handles strans etc	16. 85 6. 75
11 17	E. J. Pullman	Photographic supplies	6.75 8.62
17	Jas. S. Topham E. J. Pullman Jno. Akhurst Alex. Gow Louis A. Fuertes C. Hart Merriam Z. D. Gilman W. H. Osgood et al. Rudolph. West & Co. Mackall Bros Church & Stephenson Sylvester D. Judd. C. N. Barber Houston and Texas Central R. R. Co.	do do Traveling expenses do Handles, straps, etc Photographic supplies Forceps Bird stomachs Drawings Traveling expenses Cotton, etc Salaries	1.50
18	Louis A Fuertes	Drawings	1.35 50.00
20	C. Hart Merriam	Traveling expenses	30.35
20 23 31	Z. D. Gilman	Cotton, etc	8, 98 534, 60
June 1	Rudolph, West & Co	Salaries Hinges, etc Chemicals	1.62
	Mackall Bros	Chemicals	13.82
	Sylvester D. Judd	Lumber Traveling expenses Mammals Passenger transportation	9.30 4.50
2	C. N. Barber	Mammals	4.50 2.75 6.50
	Houston and Texas Central R. R. Co	Passenger transportation	6.50
	E. A. Goldman	Salary do Mammals	153. 40 102. 20
	W.W. Worthington	Mammals	102.20 1.25 16.75
6	Alfred E. Preble	Solony	16.75
0	E. W. Nelson E. A. Goldman W. W. Worthington Alfred E. Preble Walter K. Fisher Wm L. Bray Vernon Bailey. J. R. Buckelow	do Salary do Typewriter Forceps Drawings Shells, shot, etc Mammals Bird stomachs, etc Mammals Salary	51.61 100.00
10	Wm. L. Bray Vernon Bailey. J. R. Buckelew Z. D. Gilman J. E. McConnell William Wagner H. P. Attwater J. A. Dakin Wm. J. Fisher Walter K. Fisher Volgtlander & Son Optical Co W. E. Snyder C. P. Streator J. F. Illingworth Wilfred H. Osgood W. J. Yeager F. P. May & Co Easton & Rupp Jas. S. Topham Adams Express Co Southern Rwy. Co San Antonio and Aransas Pass Rwy. Co Southern Pacific Co. Pennsylvania R. R. Co Texas and New Orleans R. R. Co The Tilden Manufacturing Co E. J. Pullman F. P. May & Co W. H. Osgood et al. Total, fourth quarter	do	170.40
13	J. R. Buckelew	Typewriter	92.95
	J. E. McConnell	Drawings	. 40 49. 60
	William Wagner	Shells, shot, etc	45.60
	J. A. Dakin	Mammals	8. 50 6. 79
	Wm. J. Fisher	Mammals	6.79 20.50
16	Walter K. Fisher	Salary Camera, etc Bird stomachs	50.00
21	W. E. Snyder	Bird stomachs	134.50 5.25 10.50
	C. P. Streator	Mammals	10.50
99	J. F. Illingworth	Bird stomachs	2.70 90.85
22 24	W.J. Yeager	Mammals Bird stomachs Traveling expenses Mammals Mouse traps Fountain pens Straps Transportation Passenger transportation do do do	3.00
	F.P. May & Co	Mouse traps	26.80
	Jas. S. Topham	Straps	12.00 1.50
	Adams Express Co	Transportation.	$\frac{1.50}{17.95}$
27	Southern Rwy. Co	Passenger transportation	34.05
	Southern Pacific Co.	do	$11.80 \\ 5.30$
	Pennsylvania R. R. Co	do	6.50
29	The Tilden Manufacturing Co	Passenger transportation	$\frac{3.15}{3.00}$
	E.J. Pullman	Cleaning numbering machine. Photographic supplies. Tow Salaries	43.15
30	F. P. May & Co	Tow.	11.00 517.70
90	W.II. Osgood et al	Sararres	517.70
	Total, fourth quarter		4,149.86
	Supplemental.		
July 1	Whithall, Tatum & Co	Vials, corks, etc	11.64
3	Whithall, Tatum & Co. William L. Bray	Vials, corks, etc	50.00
5	Vernon Bailey	do	164.80
6	Vernon Bailey W. K. Fisher Jas. B. Lambie Galveston, Harrisburg and San Antonio	do Hardware	50.00 13.23
	Galveston, Harrisburg and San Antonio	Hardware Passenger transportation	13. 23 3. 70
	A. W. Perrior	Bird stomachs	5.69
11	Fred. A. Schmidt	Steel tape measures	3.15
12	Rwy. Co. A. W. Perrior Fred. A. Schmidt J. E. McConnell W. P. Melville United States Express Co.	Bru stomachs Steel tape measures Drawings Bird stomachs Transportationdo	41.25 3.40
	United States Express Co.	Transportation	2. 05 1. 50
18	Jac B Lambia	do	1.50
10	Jas. B. Lambie E. J. Pullman Mackall Bros	Traps Plates, etc Arsenic, etc	15.00 39.96
19	Mackall Bros	Arsenic, etc.	39.96 11.10
22	W. K. Fisher	Bird stomachs	3.05
	W. A. Mayer	Bird stomachs	34. 25 4. 32
Aug. 25	W. E. Snyder	Bird stomachs Traveling expenses Bird stomachs do Passenger transportation	3.90
Aug. 3	Mackail Bros E. C. Gill, jr W. K. Fisher W. A. Mayer W. E. Snyder Fort Worth and Denver City Rwy. Co. Gulf, Colorado and Santa Fe Rwy. Co.	Passenger transportation	10.10 $10.30$
	, see see and substitute to towny. Co		10.00

## BIOLOGICAL INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total.
1899. Aug. 3 7 16 17 21 23 Sept. 6 19 20 Oct. 7 Nov. 6	Supplemental—Continued.  Pecos Valley and Northeastern Rwy. Co. Baltimore and Ohio R. R. Co. W. H. Osgood S. D. Judd Adams Express Co. C. Hart Merriam Jas B. Lambie E. W. Nelson E. A. Goldman Missouri, Kansas and Texas Rwy. Co. Texas Pacific Rwy. Co. Southern Pacific Co. Chicago and Northwestern Rwy. Co. F. P. May & Co. Adams Express Co. International and Great Western R. R. Co.	do Traveling expenses do Transportation Traveling expenses Excelsior and traps Salary do Passenger transportation do do To To Traveling expenses Excelsior and traps Salary To	74. 65 16. 04 148. 30 98. 90 5. 95 14. 95
First qua	RECAPITULA arter quarter	TION.	\$3, 166. 73
Second of Third qu	quarter uarter		3,667.86 3,251.19

First quarter	. \$3, 166, 73
Second quarter	3,667.86
Third quarter	3, 251, 19
Fourth quarter	4, 149, 86
Supplemental	1, 222, 65
~ apparation and a second a second and a second a second and a second	. 1,1000

#### POMOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.	E Mannian Paran Ca	Dutana	66.00
July 26 30	E. Morrison Paper Co W. P. Corsa et al	Driers Salaries	\$6.00 591.36
Aug. 9	T. T. Lyon	Salary	75.80
16	W. N. Irwin	Traveling expenses	7.20
17	W. H. Ragan	Salary	24, 19
25	Geo. Shilling	Mounting lens	. 50
31	Geo. Shilling Wm. P. Corsa et al	Salaries	591.30
Sept. 14	T. T. Lyon	Salary	75.80
30	Wm. P. Corsa et al	Salaries	504.00
	Total first quarter		1,876.09
0 1 1	C CI ::::	7	0"
Oct. 1	Geo. Shilling	Lens	. 25 73, 40
14 31	T. T. Lyon Wm. P. Corsa et al	Salary Salaries	520, 50
Nov. 3	E. Morrison Paper Co	Gummed strips	1.25
8	T. T. Lyon	Salary	75. 80
16	E. J. Pullman	Photo supplies	1.58
30	W. P. Corsa et al	Salaries	. 504, 00
Dec. 1	G. B. Brackett	Traveling expenses	94.44
	The Oregon Railroad and Navigation Co.	Passenger transportation	9.75
10	Mackall Bros	Chemicals	1.30
12	E. J. Wickson	Salary	30.65
	T. T. Lyon	do	73.40
14	E. M. Tilden	Ribbons	1.95
19	Union Pacific R. R. Co	Passenger transportation	45.00
28	G. B. Brackett	Traveling expenses	4.00 530.60
31	Wm. P. Corsa et al	Salaries	350.00
	Total second quarter		1,967.87
1899.			
Jan. 6	Michigan Central R. R. Co Chicago, Milwaukee and St. Paul R. R. Co	Passenger transportation	4.15
	Chicago, Milwaukee and St. Paul R. R. Co.	do	11.50
	Northern Pacific Rwy. Co	do	17.25
	Wm. A. Taylor	Traveling expenses	3.25
12	T.T.Lyon	Salary	75.80
18	Wm. P. Corsa	Traveling expenses	8.08
19	J. W. Merriam	Lemon trees.	40. 00 4. 49
20	E. Morrison Paper Co	Herbarium paper	542, 60
Feb. 31	Wm. P. Corsa et al Southern Rwy. Co	Salaries Passenger transportation	6.80
men. a		Fassenger trans00Flablon	0.00

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. POMOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Feb. 28	H. H. Brown	Prints Passenger transportation	\$19.90 6.00
Mar. 1	Co. Alex Schmid W. P. Corsa et al The Springfield Engraving Co. E. W. Schmid W. P. Corsa et el	Paper boxes Salaries Manila envelopes Labels Salaries	47.50 489.80 5.00 4.50 542.60
	Total third quarter		1,906.72
Apr. 11  12 14 22 29  May 31  June 1	Library Bureau Reading Paper Mills E. Morrison Paper Co T. T. Lyon Edwd. S. Schmid Wm. P. Corsa et al Odo Gdwd. S. Schmid	Cards Wrapping paper Bristol Salary Labels Salaries do Packing moss	2.00 7.50 3.13 70.00 7.50 586.80 636.40 5.00
2 3 14 30	Library Bureau G. B. Brackett W. A. Taylor W. P. Corsa et al  Total fourth quarter	Cards Testing grafting Traveling expenses Salaries	8. 25 9. 75 18. 86 768. 60 2, 123. 79
July 5	Supplemental. E. J. Pullman H. von Luttichan	Photographic supplies Services Expenses	16. 22 50. 00 19. 95
19 20	M.B. Waite Z.D. Gilman Mackall Bros Levytype Co	Traveling expenses Carbonic sulphate Hydrate soda Illustrations do	9.00 3.50 .15 24.20 15.12
Aug. 3	Pennsylvania R. R. Co Raleigh and Augusta Air Line R. R. Co B. von Herff	Passenger transportationdo Expenses	11.55 10.80 87.36
14 24	do	do	50.75 25.20 29.96
	Total		353.76
	RECAPITULA	TION.	
Second qualified Fourth	rter uarter arter uarter ental		1,967.87 1,906.72
	al		8,228.23

#### LABORATORY.

Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 3 16 18 19 25 31 Sept. 10 15	Maud S. Chamberlin et al. E. J. Pullman E. S. Wertz  Thos. F. Holden Washington Gas Light Co Z. D. Gilman Melville Lindsay M. S. Chamberlin et al. Ernest Betz Forsberg & Murray Ernest Rubel E. E. Ewell M. S. Chamberlin et al. Total first quarter	Rubber sheets Salaries Making water bath, etc Moying boiler Calorimeter Traveling expenses Salaries	\$206. 84 48. 60 42. 47 3. 00 8. 40 14. 40 18. 90 18. 90 15. 00 15. 00 16. 50 178. 20

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\bf Cont'd}.$ 

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	Royce & Marean Thos. Somerville & Sons	Tape and wire	\$7.26 1.18 1.24
	Thos. Somerville & Sons	Valves	1. 18
5	Thos. Somerville & Sons Mackall Bros Standard Oil Co Z. D. Gilman T. W. Smith. Jno. A. Power & Co Washington Gas Light Co. do Library Bureau G. L. Spencer M. S. Chamberlin et al. E. J. Hannan B. P. Clarke	Tape and wire. Valves Cotton batting Gasoline Chemicals Sticks.	. 25
6	Z. D. Gilman	Chemicals	. 25 22. 78
	T. W. Smith	Sticks	11.90
14	Washington Gas Light Co	Basin Gas ——do Cards Traveling expenses Salaries Plumbing Toweling Traveling expenses Oxygen Chemicals Taue line	19.50
11	dodo	do	8.40 2.90
20	Library Bureau	Cards	5.90
22 31	G. L. Spencer	Traveling expenses	15. 00 130. 90 500. 00
Nov. 4	E. J. Hannan	Plumbing	500. 90
9	R. P. Clarke	Toweling	8. 28 5. 00 21. 98
11	G. L. Spencer	Traveling expenses	5.00
16	R. P. Clarke G. L. Spencer Z. D. Gilman	Oxygen	21.98 1.40
	Rudolph, West & Co Ernest Betzdo M. S. Chamberlin et al.	Chemicals Tape line Lengthening tube Repairing tank Salaries Plumbing Pipe Plumbing Traveling averages	. 2
	Ernest Betz	Lengthening tube	8. 10 2. 00
	do	Repairing tank	2.00
Dec. 2	M. S. Chamberlin et al.	Salaries	128.20
Dec. 2	The Comerville & Cons	Plumbing	500.00 39.10
	E. J. Hannan Thos. Somerville & Sons E. J. Hannan	Plumbing	6.00
	G. L. Spencer R. P. Clarke Z. D. Gilman		3.60
0	R. P. Clarke	Sheeting	2.00
10	Z. D. Gilman Mackall Bros Washington Gas Light Co. Ernest Betz Woodward & Lothrop Mackall Bros J. T. Walker Sons Rudolph, West & Co Columbia Supply Co Chas. Becker C. H. Knight E. J. Hannan	Sheeting Filters, etc. Ammonium hydrate	31. 68 8. 38 12. 90
10	Washington Gas Light Co	Gas	12. 90
	Ernest Betz	Gas Pipe, elbow, etc Calico Acid, etc	10.00
14	Woodward & Lothrop	Calico	. 75 5. 20
	Mackall Bros	Acid, etc	5.20
	Rudolph West & Co	Charcoal Knee irons Pulleys	1. 20 2. 10 6. 00
	Columbia Supply Co	Pullevs	6.0
	Chas. Becker	Lead Foundation for press machine	. 1.30
17	C. H. Knight	Foundation for press machine	10.00
$\frac{17}{21}$	E. J. Hannan Melville Lindsay Forsberg & Murray	Rubber mats Packing	34. 73 5. 43
WI	Forsberg & Murray	Apparatus	5. 43 12. 60
	W. B. Morgan M. S. Chamberlin et al	Apparatus Covering boiler Salaries	13.00
31	M.S. Chamberlin et al	Salaries	130.9
1899.	Total second quarter		1,738.4
Jan. 3	Francis Miller F. P. May & Co Thos. Somerville & Sons do Library Bureau	Qil	. 73
4	F. P. May & Co	Rope, etc	9.70
	do	do do	9.70 170.88 37.28
5	Library Bureau	Shelving	25.68
10	Ernest Betz Jas. B. Lambie		9.00
12	Jas. B. Lambie		***
	XX7 T T	Belting, etc	11.08
	W. L. Lewis The Geo. W. Knox Express Co.	Janitor services	11.08 3.00 46.20
16	W. L. Lewis The Geo. W. Knox Express Co. Washington Gas Light Co.	Grates Belting, etc Janitor services Transportation Gas	11.0 3.0 46.2
	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co Z. D. Gilman	Beiting, etc Janitor services. Transportation Gas Ether, alcohol, etc.	11. 0: 3. 0: 46. 2: 2. 1: 48. 4:
16 19	W. L. Lewis. The Geo. W. Knox Express Co. Washington Gas Light Co. Z. D. Gilman Emil Greiner.	Belting, etc Janitor services. Transportation Gas Ether, alcohol, etc Blow bulbs.	11.06 3.00 46.20 2.10 48.40
19	W. L. Lewis. The Geo. W. Knox Express Co. Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph Wort & Co.	Belting, etc Janitor services. Transportation Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Ting stepladder etc	11.05 3.00 46.20 2.10 48.40 8.00 84.3
	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co	Belting, etc. Janitor services. Transportation. Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory. Zinc, stepladder, etc. Files	11. 06 3. 00 46. 20 2. 10 48. 40 8. 00 84. 3 5. 11 1. 56
19 20 21	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler	Belting, etc Janitor services. Transportation Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass.	11. 0 3. 0 46. 2 2. 1 48. 4 8. 0 84. 3 5. 1 1. 5
19 20 21 26	W. L. Lewis. The Geo. W. Knox Express Co. Washington Gas Light Co. Z. D. Gliman Emil Greiner Thos. Somerville & Sons. Rudolph, West & Co. F. P. May & Co. W. H. Butler E. Morrison Paper Co.	Belting, etc Janitor services. Transportation Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags	11. 06 3. 00 46. 20 2. 10 48. 49 8. 00 84. 3 5. 1 1. 56
19 20 21 26 31	W. L. Lewis. The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce	Betting, etc Janitor services. Transportation Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc Files Glass Bags Salaries	11. 0 3. 0 46. 2 2. 1 48. 4 8. 0 84. 3 5. 1 1. 5 4 64. 3
19 20 21 26 31	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11. 00 46. 22 2. 11 48. 44 8. 00 84. 3- 5. 11 1. 55 16. 00 44 64. 33 20. 00 2. 22
19 20 21 26 31	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce. O. S. Blakeslee W. H. Butler	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11. 0 3. 0 46. 2 2. 1 48. 4 8. 0 84. 3 5. 1 1. 5 4 64. 3 20. 0 2. 2 5, 1
19 20 21 26 31	W. L. Lewis. The Geo. W. Knox Express Co. Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co. F. P. May & Co. W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11. 0 3. 0 46. 2 2. 1 48. 4 8. 0 84. 3 5. 1 1. 5 4 64. 3 20. 0 2. 2 5, 1
19 20 21 26 31 Feb. 1	W. L. Lewis. The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons. United States Express Co.	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11. 00 3. 00 46. 22 2. 11 48. 44 8. 00 84. 3 5. 11 1. 55 16. 00 2. 22 5. 11 2. 44 72. 64
19 20 21 26 31	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11. 00 3. 00 46. 22 2. 11 48. 44 8. 00 84. 3 5. 11 1. 55 16. 00 2. 22 5. 11 2. 44 72. 64
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co	Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Land includes	11.0 3.0 46.2 2.1 48.4 8.0 84.3 5.1 1.5 16.0 4 64.3 20.0 2.2 5.1 2.4 72.6 6
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11. 00 3. 00 46. 22 2. 11 48. 44 8. 00 84. 3 5. 11 1. 55 16. 00 2. 22 5. 11 2. 44 72. 64
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11.00 3.00 46.22.14 48.44 48.43 5.11 1.50 1.50 1.50 2.22 2.44 2.44 3.43 3.60 3.60 3.60 3.60 3.60 3.60 3.60 3.6
19 20 21 26 31 31 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11.00 3.00 3.00 46.22.11 48.44 48.44 8.00 11.55 16.00 2.22 2.14 2.44 2.44 2.46 6.87 36.00
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11.00 3.00 46.22.14 48.44 48.40 8.00 84.3 5.1.1 16.00 2.2.12 2.44 72.66 2.2.44 72.66 66.88 145.77 86.00
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce O. S. Blakeslee W. H. Butler J. B. Espey Thos. Somerville & Sons United States Express Co The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11.00 3.00 3.00 46.21 48.44 48.40 8.00 5.11 1.55 64.33 20.00 20.20 2.24 72.66 68.81 66.88 145.73 66.06
19 20 21 26 31 Feb. 1	W. L. Lewis The Geo. W. Knox Express Co Washington Gas Light Co. Z. D. Gilman Emil Greiner Thos. Somerville & Sons Rudolph, West & Co F. P. May & Co W. H. Butler E. Morrison Paper Co. M. S. Chamberlin et al Thos. Boyce. O. S. Blakeslee W. H. Butler J. B. Espey. Thos. Somerville & Sons United States Express Co. The Baker & Adamson Chemical Co. Z. D. Gilman I. A. Sheppard & Co.	Gas Ether, alcohol, etc. Blow bulbs Material, fitting up laboratory Zinc, stepladder, etc. Files Glass Bags Salaries Bunsen burners Lead jackets Glass Rings, hooks, etc Valves Transportation Chemicals Beakers Castings	11. 00 3. 00 46. 22. 14 48. 40 8. 8. 00 84. 5. 11 1. 50 2. 14 64. 32 20. 00 2. 24 72. 66 8. 44 72. 66 8. 44 73. 66 8. 44 8. 44

## LABORATORY-Continued.

Date.	Name.	Nature of payment.	Total.
1899. Mar. 9 11 15 17	Z. D. Gilman	Rubber tubing, etcdo Packing Gas Glass Chemicals Asbestus paper	\$58.47 26.43 .49 6.50 2.75 2.20 2.04
Apr. 1 10 12	Total third quarter Thos. Somerville & Sons R. P. Clarke Rudolph, West & Co	Pipe Toweling Hardware	1,024.20 5.71 8.28 3.32
15 18 22 24	Washington Gas Light Co Standard Oil Co Mackall Bros W. H. Butler Church & Stephenson	Gas Gasoline and can Chemicals Glass Lumber	5. 90 2. 25 8. 97 1. 41 10. 40
May 24 June 1	Royce & Marean Jas. B. Lambie Washington Gas Light Co. Melville Lindsay C. R. Edmonston	Repairing motor Pliers Gas Hose Crocks	50 6.00 3.60 4.00 2.40
2 13	E. P. Schmitz Eimer & Amend R. P. Clarke Rudolph, West & Co J. H. Theimeyer	Enamel pans Asbestus paper Muslin Watering pot, etc Boxes	. 86 4. 00 . 60 . 75 3. 50
24 29	Washington Gas Light Co	Gas Cotton and excelsior	2.30 9.48 84.23
July 12	Supplemental. United States Express Co  Thos. Somerville & Sons	Transportationdo	.75 6.90 13.15
Aug. 16  Sept. 5  23  Sept. 5	Geo. F. Muth & Co Adams Express Co Whitall, Tatum & Co Kny Scheerer Co. Eimer & Amend	Whiting Transportation Bottles and flasks Bottles Tubes	. 12 . 60 12. 38 6. 93 7. 70
Oct. 4 12 17 18	Mackall Bros Eimer & Amend Z. D. Gilman Adams Express Co	Ammonia hydrate Condensers Beakers Transportationdo	16.00 54.40 28.95 .65 1.60
	Total		150.13
Second of Third qu Fourth of Supplem	RECAPITULA arter quarter quarter quarter quarter quarter quarter tental		1,738.47 1,024.20

#### LABORATORY-RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 9 Oct. 28 Nov. 3 Dec. 8	J. Harrison Johnson  Total first quarter  J. Harrison Johnson  do  Total second quarter	Rent of buildings do	\$75. 00 75. 00 150. 00 75. 00 75. 00 300. 00

## LABORATORY-RENT OF BUILDINGS-Continued.

Date.	Name.	Nature of payment.	Total.
1899. Jan. 10 Feb. 6 Mar. 11	J. Harrison Johnson	do	\$75.00 75.00 75.00 225.00
July 19	Supplemental.  J. Harrison Johnson	Rent of buildings, March, April, May, and June.	300.00

#### RECAPITIL ATION

	RECAPITULATION.	
j	First quarter.	\$75.00
1	Third quarter Supplemental	225.00
	and the second s	900.00

#### ADULTERATION OF FOOD AND INVESTIGATION OF SOILS.

Date.	Name.	Nature of payment.	Total.
1898. July 30	G.L. Spencer et al	Salaries	\$558,70
Aug. 31 Sept. 30	do	do	558.70 542.60
	Total first quarter		1,660.00
Oct. 18 31	H. W. Wiley G. L. Spencer et al	Traveling expenses	318.83 498.10
Nov. 10 21	H. W. Wiley W. D. Bigelow	Traveling expenses	94.15 153.16
Dec. 30	G. L. Spencer et al. E. S. Wertz	Traveling expenses	41.30 483.80 79.72
14 31	do G. E. Patrick et al	do	1.49 363.30
	Total second quarter		2,033.85
1899. Jan. 4	E. J. Pullman	Photographic supplies	11.72
26 31 Feb. 3	G. E. Patrick et al.	Salaries	4.10 370.40
Feb. 3 28 Mar. 1	United States Express Co. G. E. Patrick et al. Forsberg & Murray.	Transportation Salaries Repairing grates	13.10 339.20 7.25
9	S. S. Shedd & Bro H. W. Wiley	Copper tacks, etc Expenses	35, 40 6, 50
31	G. E. Patrick et al	Salaries	1,158.07
Apr. 1	Hugh Reilly	Brushes.	7.80
11 12 15	Emil Greiner Mackall Bros Z. D. Gilman	Forceps	2.68 1.68 163.54
May 1	G. E. Patrick et al	SalariesFlasks	356.60 12.80
23	Z. D. Gilman dodo	Chemicals, flasks, etcdo	61. 62 14. 16
June 1	G. E. Patrick et al Mackall Bros Standard Oil Co	Salaries	366.80 1.85 2.25
2	Rudolph, West & Co	Locks, etcJars	$\begin{array}{c} 2.21 \\ 10.00 \end{array}$
13	Parke, Davis & Co Z. D. Gilman J. Bishop & Co	Pepsin Chemicals, etc Platinum capsules	. 80 16. 15 18. 00
22 24	Emil Greiner Adams Express Co	Laboratory apparatus Transportation	40.00 1.15
27 29	H. W. Wiley Rufus P. Clarke	Expenses	162. 16 . 40

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. ADULTERATION OF FOOD AND INVESTIGATION OF SOILS—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 29 30	W.D.Bigelow	Salaries	\$9.65 241.20 1,493.50
July 1 6 11 18 20 28 Aug. 14 Sept. 5 20 Oct. 4	Eimer & Amend. Standard Oil Co E. S. Wertz Standard Oil Co Z. D. Gilman The Kny Scheerer Co Dulin & Martin Co Z. D. Gilman E. Morrison Paper Co Adams Express Co Bausch & Lomb Optical Co Rudolph, West & Co United States Express Co Mackall Bros	Negatives Gasoline Crucibles, etc Funnels, etc. Saucepans Beakers Sacks Transportation Selenite film Can opener Hinges, etc Transportation	20.00 1.70 22.35 3.10 595.25 14.35 2.90 67.68 .57 9.45 1.15 .48 .90 .50
	'Total	,	740.53

#### RECAPITULATION.

First quarter	\$1,660,00
Second quarter	2.033.85
Third quarter	1,158.07
Fourth quarter	1,493,50
Supplemental	740.53

#### FORESTRY INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 22	Gifford Pinchot	Traveling expenses	\$1.7.65
26 30	E. J. Pullman B. E. Fernow et al	Films Salaries	10.80
Aug. 23	Jno. C. Parker	Stencil paper	585. 11 3. 75
24	C. C. Vermenle	Maps	2.04
	Henry S. Graves	Salary	83, 15
	do	Traveling expenses	39.75
	do	Expenses	14.00
	Filibert Roth	Salary	126, 40 20, 38
	Chas. Mohr	do	126, 40
31	A. J. Mlodziansky et al	Salaries	282.50
Sept. 3	Henry S. Graves	do	151.60
6	Alston Ellis	Expenses	27.00
	Jno. W. Heston	Labor, tree planting	50.00
77	Cyrus Northrup	Binders	5.00 6.25
•	Library Bureau Jno. C. Parker	Fountain pens	8.00
10	Geo. E. Morrow	Labor, tree planting	8, 80
13	Library Bureau	Card-index case	22.00
15	Gifford Pinchot	Traveling expenses	39.25
22	Colclesser Bros	Tomahawk	1.40
28 30	Geo. E. MacLean	Expenses Salaries	44. 65 275, 00
90	A. K. Mlodziansky et al	Salaries	210.00
	Total first quarter		1,950.88
Oct. 3	De Alton Saunders	Basswood seeds	7, 50
	Geo. E. MacLean	Expenses	46.35
	Jno. W. Heston	do	65.00
. 5	Southern Rwy. Co	Passenger transportation	43.40
8	Honor C. Connect	do	9.30
10	Henry S. Graves A. K. Mlodziansky	Salary Traveling expenses	146.80 50.70
20	Jno. W. Heston	Expenses	48.50
	Library Bureau	Binders and tray	

## FORESTRY INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total.
1000			
1898. Oct. 20	Library Bureau Gifford Pinchot Robt. W. Furnas C. A. Keffer L. L. Foster	Cards, etc.	\$3,25
	Gifford Pinchot	Cards, etc	\$3.25 25.23
21	Robt. W. Furnas	Acorns. Traveling expenses	3.45 91.29
22	L. L. Foeter	Traveling expenses Expenses do Passenger transportation Salaries Acorns Traveling expenses Kodaks Salary do Expenses Salary Traveling expenses Salary Fraveling expenses	91. 29 15. 00
22	L. L. Foster do do Pennsylvania Railroad Co. A. K. Mlodziansky et al Saml. B. Green Chas. A. Keffer Eastman Kodak Co Chas. Mohr do Cyrus Northrup Henry S. Graves do J. E. Ransom	do	27.00
24	Pennsylvania Railroad Co	Passenger transportation	27.00 33.15
31	A. K. Mlodziansky et al	Salaries	289.96
Nov. 3	Chas A Kaffar	Traveling expenses	12.50 27.92 75.90
J	Eastman Kodak Co	Kodaks	75. 90
8	Chas. Mohr	Salary	122.20
	do	do	126.40
0	Crysea Nowthware	do	126 40
. 9 14	Honry S Groves	Salary	10.00 63.59 55.24
11	do	Traveling expenses	55, 24
17	J. E. Ransom Yawman & Erbe Manufacturing Co	Services	25,00
22 29	Yawman & Erbe Manufacturing Co	Files	. 75 78. 10
29 30	A. K. Wlodziansky	Traveling expenses	78.10
90	Yawman & Erbe Manufacturing Co A K. Młodziansky Library Bureau A K. Młodziansky et al Chas Fischer Jno. W. Heston V. Fabian (fifford Pinchot A K. Młodziansky Colclesser Bros Surry Parker O. J. J. Luebkert Louisville and Nashville R. R. Co Pullman Palace Car Co Gifford Pinchot Henry S. Graves J. W. Heston Pennsylvania R. R. Co	Files Traveling expenses Cards Salaries	6.00 413.18
Dec. 2	Chas. Fischer	Scales Acorns	5.00
	Jno. W. Heston	Acorns	1.50
	V. Fabian	Rule, etc.	12.75 1.20
2	A K Mlodziansky	Traveling expenses	59. 4 <b>5</b>
3 5	Colclesser Bros.	Expenses Traveling expenses Tomahawk	1.40
6	Surry Parker	Services	25, 00
0	O. J. J. Luebkert	Traveling expenses	22.75 6.26
8	Louisville and Nashville R. R. Co	Passenger transportation	6. 26 2. 00
12	Gifford Pinchot	Traveling expenses	$5\tilde{1}.0\tilde{5}$
2.0	Henry S. Graves	do	80.86
15	J. W. Heston	Expenses	16.30
19	Pennsylvania R. R. Co	Passenger transportation	10.00
	Pennsylvania R. R. Co Illinois Central R. R. Co Chicago, St. Paul, Minneapolis and Omaha	Services Traveling expenses Passenger transportation do Traveling expenses Expenses Passenger transportation do do do do do do	9.80 8.10
			0.10
	Boston and Maine R. R. Co J. C. Whitten Patterson Bros	do	3.32
20	J. C. Whitten	Tree seed	5. 15 12. 00
20	Chas Mohr	Salary	122.20
	E. M. Griffith	Monograph on the hemlock	122.20 200.00
22	ratierson bros Chas Mohr E. M. Griffith Library Bureau O. J. J. Luebkert A. K. Mlodziansky et al	Monograph on the hemlock Cards	3.00
91	O.J.J. Luebkert	Expenses Salaries	39. 99 405. 24
31	A. K. Miodziańsky et al	Sataries	405.24
1	Total second quarter		3, 160. 08
1899. Jan. 3	C. F. M. J		0.00
Jan. 3	G. E. MacLean	Expenses	9.38 7.25
6	G. E. MacLean R. S. Hosmer Wilmington and Weldon R. R. Co- Pennsylvania Co Southern Rwy Co- Chas. Mohr L. L. Foster Surry Parker A. K. Mlodziansky E. M. Tilden A. M. Collins Manufacturing Co- Fredk. Springman Adams Express Co Nashville, Chattanooga and St. Louis Rwy. Co.	Traveling expenses Passenger transportation do do Salary Labor, planting trees Expenses Traveling expenses	7. 25 2. 50 17. 50
-	Pennsylvania Co	do	17.50
7	Southern Rwy Co	do	2.50
12 17	Chas. Monr	Salary	126.40
1.	Surry Parker	Expenses	28.50 45.00
	A. K. Mlodziansky	Traveling expenses	36.50 1.04 48.75
21 24	E. M. Tilden	Type Mounting photos Transportation do Passenger transportation	1.04
24 28	A. M. Collins Manufacturing Co	Mounting photos	1.95
40	Adams Express Co	do	2.45
30	Nashville, Chattanooga and St. Louis Rwy.	Passenger transportation	2.45 2.25
	Co.	_	
	Wilmington and Weldon R. R. Co A. K. Mlodziansky et al H. G. Chesson	Coloring	8.95 435.52
91	A. A. MIOUZIANSKY et al	Sarvices	8.00
Feb. 1	H. G. Chesson		0.00
Feb. 31	H. G. Chesson Chicago Great Western Rwy. Co	Passenger transportation	5. 31
Feb. 31	H. G. Chesson Chicago Great Western Rwy. Co Keuffel & Esser Co	Passenger transportation Caliper	5. 31 7. 90
Feb. 1	H. G. Chesson Chicago Great Western Rwy. Co. Keuffel & Esser Co. Yawman & Erbe Manufacturing Co.	Passenger transportation Caliper	5. 31 7. 90 2. 25
Feb. 31	H. G. Chesson Chicago Great Western Rwy. Co Keuffel & Esser Co. Yawman & Erbe Manufacturing Co Geo. E. Morrow. W. W. Ashe	Passenger transportation Caliper Files Expenses Traveling expenses	11.89
Feb. 1	Chicago Great Western Rwy. Co Keuffel & Esser Co Yawman & Erbe Manufacturing Co Geo. E. Morrow W. W. Ashe	Passenger transportation Caliper Files Expenses Traveling expenses do	24. 25 15. 50
Feb. 1	Chicago Great Western Rwy. Co Keuffel & Esser Co Yawman & Erbe Manufacturing Co Geo. E. Morrow W. W. Ashe	GO Salaries Services Passenger transportation Caliper Files Expenses Traveling expenses do do	24. 25 15. 50 10. 00
Feb. 1	Chicago Great Western Rwy. Co Keuffel & Esser Co Yawman & Erbe Manufacturing Co Geo. E. Morrow W. W. Ashe	Passenger transportation Caliper Files Expenses Traveling expenses do do Index cards	24. 25 15. 50 10. 00 16. 75
Feb. 1	H. G. Chesson Chicago Great Western Rwy. Co Keuffel & Esser Co Yawman & Erbe Manufacturing Co Geo. E. Morrow W. W. Ashe do Library Bureau C. E. Wise H. E. Glazier R. V. Waters	Passenger transportation Caliper Files Expenses Traveling expenses do do Index cards File holders Tree seeds Sanvices	24. 25 15. 50 10. 00

## FOREST INVESTIGATION—Continued.

	e.	Name.	Nature of payment.	Total.
189	9			
Feb.		A. K. Mlodziansky J. A. Caldwell W. W. Ashe G. F. Schwarz R. V. Waters A. K. Mlodziansky E. J. Philman	Traveling expenses	\$78.0 17.4
		J. A. Caldwell	do	17.4
	01	W. W. Ashe	do Salary Services Traveling expenses Photo supplies Salary Passenger transportation do do Solarios	18.40
	21 23	R V Waters	Services	12.50
		A. K. Mlodziansky	Traveling expenses	28. 7 49. 5
	25 27 28	E. J. Pullman	Photo supplies	66. 80 129. 20
	27	Chas. Mohr	Salary	129.2
	28	Pullman Palace Car Co	Passenger transportation	2.50 2.00
		Pennsylvania R. R. Co	do	20.00
		A. K. Mlodziansky et al	Salaries	488.8
Iar.	1	R. Douglas Sons	Tree-planting experiments	167.1
	2	Chas. A. Keffer	Traveling expenses	43.8 58.3
	4	J A Caldwell in	do	32.8
	-	do	do Salaries Tree-planting experiments Traveling expenses Salary do Traveling expenses Salary Index cards Traveling expenses	33. 8
		C. A. Schenck	Salary	115.0
	7	Library Bureau	Index cards	3.0
	9	H. B. Ayres	Traveling expenses	54.5
		Rudolph, West & Co	Picture hooks	22.0
	11	Fred. A. Schmidt	Pocket aneroids	. 86 95. 40
		E. J. Pullman Chas. Mohr Wilmington and Weldon R. R. Co Pullman Palace Car Co. Pennsylvania R. R. Co A. K. Mlodziansky et al R. Douglas Sons Chas. A. Keffer G. F. Schwarz J. A. Caldwell, jr do C. A. Schenck Library Bureau H. B. Ayres Houghton & Delano. Rudolph, West & Co Fred. A. Schmidt B. Shimek	Traveling expenses	70.0
	13	J. M. Tanner G. F. Schwarz	maex cards Traveling expenses Camera. etc. Picture hooks Pocket aneroids Traveling expenses Expenses Traveling expenses	29.7
		dodo	Traveling expenses	35. 4 14. 5
	15	do Chas. Mobr F. A. Schmidt The Post-Office Department E. J. Pullman W. H. Veerhoff C. A. Schenck do Colclesser Bros Henry S. Graves A. K. Mlodziansky et al	do Salary Compasses	116. 60
	10	F. A. Schmidt	Compasses	39.0
	16	The Post-Office Department	Maps	18 4
	17	E. J. Pullman	Maps. Films Molding	62.4 7.3 27.6
		W. H. Veernon	Traveling expenses	27 6
		do	do	3.8
	22	Colclesser Bros	Tomahawks	14.1
		Henry S. Graves	Traveling expenses	68.1
	31	A. K. Mlodziansky et al	Salaries	503.6
		Total third quarter		3,504.1
pr.	1	Thos. E. Will	Expenses	19.9
-I	3	R. S. Hosmer	Traveling expenses	5.0 28.3
	4	Fred. A. Schmidt	Traveling expenses Section paper, etc	28.3
	6 7	W. W. Agho	Numbering machine	8. 4 27. 7 17. 0
	10	Jas. S. Topham	Numbering machine Traveling expenses Cases and belts	17.0
		Houghton & Delano	Camera	50.0
	11 12	Library Bureau	Cards Plasters	1.2
	12	Mackall Bros	Plasters	. 5
	į	Chas. Mohr	Salary	2. 0 129. 2
	15 19	Houghton & Delano	Tripod Salary Photographic supplies Traveling expenses	124.3
	19	Treadwell Cleveland, jr	Traveling expenses	12.8
		Ralph S. Hosmer	Salary Traveling expenses	44.6
		do do	Traveling expenses	64. 6 52. 5
		H. B. Avres	do	102.4
	20	J. W. Toumey	do	49.2
	22	Jas. S. Topham	Camera cases	4.0
	24	Houghton & Delano	Roll holder	5.0
	24	Fred A Schmidt	Wire	6.9
	25	Pennsylvania R. R. Co	Rules and glass Passenger transportation	3.5
		Baltimore and Ohio R. R. Co.	do	25.3
		Wilmington and Weldon R. R. Co	- do	1.9
	1	Thos. E. Will R. S. Hosmer Fred. A. Schmidt E. J. Brooks & Co W. W. Ashe Jas. S. Topham Houghton & Delano Library Bureau Mackall Bros Houghton & Delano Chas. Mohr Houghton & Delano Treadwell Cleveland, jr Ralph S. Hosmer G. Fred Schwarzdo H. B. Ayres J. W. Toumey Jas. S. Topham Houghton & Delano Jas. B. Lambie Fred. A. Schmidt Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Wilmington and Weldon R. R. Co Atchison, Topeka and Santa Fé Rwy. Co Jacksonville, Tampa and Key West Rwy. Co. Southern Rwy. Co	dodo	36.3 7.3
		Co.	a.	1 - 4
	27	Southern Rwy. Co	Pictures of foracte ata	15.7
	- 1	C. F. Jenkins Fred. A. Schmidt J. A. Caldwell, jr	Tally machines	34. 5 7. 5
	28	J. A. Caldwell, jr.	Tally machines Expenses Traveling expenses	7. 5 17. 0 52. 9
		do	Traveling expenses	52.9
	00	Gifford Pinchot		76.9
		Library Bureau	Pamphlet cases	1.0
	.29	Goo B Sudwouth of ol		
lav		Geo. B. Sudworth et al	Salaries	651.9
Iay	1 2	Gifford Pinchot Library Bureau Geo. B. Sudworth et al Fred. A. Schmidt  J. A. Caldwell, jr	Pamphlet cases Salaries Surveying instruments Paper Salary	651.98 88.8 6.2

## FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Iay 3	Ralph S. Hosmer W. W. Ashe Fred. A. Schmidt Henry S. Graves Ralph S. Hosmer Chas. Mohr A. E. Cohoon J. A. Caldwell, jr G. F. Schwarz do	Traveling expenses	\$85.08 30.00 9.70 74.30
4	W. W. Ashe	Traveling expenses do Ruling pens, etc	30.00
	Fred. A. Schmidt	Ruling pens, etc	9.70
5	Henry S. Graves	Traveling expenses	74.30
0	Ralph S. Hosmer	Expenses	14.00
9	Chas. Monr	The reling expenses	123.60 17.77
	I A Coldwell in	Expanses	10.50
11	G F Schwarz	do	2.50
**	do	Salary	2.50 51.5.
	do	Traveling expenses	74.5
	do O. J. J. Luebkert Justina R. Hill	1do	113.8
13	Justina R. Hill	Report on Forestry in Porto Rico.	300.00
:		Rico.	
15	Jno. C. Parker Houghton & Delano A. E. Ames Gifford Pinchot do C. Proposio Londring	Perforating silk, etc.	4.70
16	Houghton & Delano.	Photo supplies Traveling expenses do do Telegrams	41.8
10	Clifford Dinabot	do de	19. 53 90. 1s
	do	do	18.20
	do	Telegrams	7:
17			. 7; 49. 7
	E. J. Pullman	Photo supplies	9.00
	The White, Corbin Co	Envelopes	21.30
18	E. J. Pullman The White, Corbin Co H. B. Ayres	Photo supplies Envelopes Expenses for assistants, Jan. to	118.6
04		Anr 1899	
31	R. S. Hosmer et al Fred. A. Schmidt	Salaries	605.89
une 1	Fred. A. Schmidt	Millimeter paper Engraving instruments Picture molding Ground glass Services of 3 men do	9.00
	W. H. Veerhoff  Henry H. Brown O. J. J. Luebkert C. A. Schenck do The Wabash R. R. Co	Engraving instruments	5.0
	Honey H Brown	Ground class	4.80
	O. J. J. Luebkert	Services of 3 men	7.08
2	C. A. Schenck	do	43.8
	do	do	43.8 11.1
	The Wabash R. R. Co	Passenger transportation	5. 1
	Savannah, Florida and Western Rwy. Co	Passenger transportationdodo	5. 13 30. 2
	Chesapeake and Ohio Rwy. Co	do	28.00
	Thos. Meehan & Sons	Tree seed	1.5
0	The Wabash R. R. Co Savannah, Florida and Western Rwy. Co. Chesapeake and Ohio Rwy. Co Thos. Meehan & Sons Library Bureau	Tree seed Index cards Traveling expenses	6.00
8 9	H. S. Graves O. J. J. Luebkert Clarence E. Wise E. Morrison Paper Co Fred. A. Schmidt Houghton & Delano G. E. Morrow H. M. Churan	do do Instrument cases Filing jackets Measuring tape Films Labor	29. 40
13	Clarence F Wise	Instrument eages	29.88 16.56
.01	E Morrison Paper Co	Filing jackets	6, 00
	Fred. A. Schmidt	Measuring tane	26.10
	Houghton & Delano	Films	26.10 10.80 4.54
	G. E. Morrow	Labor	4.5
	H. M. Curran Bausch & Lomb Optical Co Henry S. Graves L. L. Foster Chas. Mohr	Traveling expenses Field glasses Traveling expenses Expenses, labor Salary	21.30
	Bausch & Lomb Optical Co	Field glasses	56.2
1.0	Henry S. Graves.	Traveling expenses	29.3
16	Char Mahr	Expenses, labor	31.00
	Ino Folor	Traveling expenses	127.80 14.54 19.40
	Alfred Gaskill	Traveling expenses	19 4
17	Chas. Mohr Jno. Foley Alfred Gaskill J. W. Toumey Smith Riley H. S. Graves Geo. E. MacLean H. B. Ayres	do Salary Traveling expensesdoExpenses Traveling expenses Servicesdo	272.0
19	Smith Riley	Traveling expenses	12.5
20	H. S. Graves	do	54.1
21	Geo. E. MacLean	Expenses	33, 5
22		Traveling expenses	73.2
	A. E. Ames Hugh McC. Curran	Services	, 44.5
	A F Cohoon	00	48.6
	A. E. Cohoon W. W. Ashe	do	44. 5 85. 0
	w. w. Ashe	do	39.6
	Bausch & Lomb Ontical Co	Dianhram shutters	220.4
23	Bausch & Lomb Optical Co Chicago and Northwestern Rwy. Co	do Diaphram shutters. Passenger transportation. do do	13.7
	International and Great Northern R. R. Co.	do	2.4
	New York, New Haven and Hartford R. R.	do	11.5
	Chicago and Northwestern Rwy. Co International and Great Northern R. R. Co. New York, New Haven and Hartford R. R. Co.		
	Atchison, Topeka and Santa Fé Rwy. Co Illinois Central R. R. Co. Fred. A. Schmidt	do	13.6
0.1	Illinois Central R. R. Co	do	20.4
24	Fred. A. Schmidt	Paper and glasses	17.5
	Wm I. Dunham	do Paper and glasses Glasses, tapes, etc Tape ends Pictures Cameras, etc.	13.9
	C. F. Jenking	Pietunes	10.0 $47.6$
	Houghton & Delano	Camaras etc	208.0
	do	do	54.6
26	Wm. L. Dunham C. F. Jenkins Houghton & Delano do J. W. Toumey Southern Rwy. Co	Traveling expenses	225.6
27	Southern Rwy. Co.	Passenger transportation	6.2
	3	do	8.4
	Galveston, Harrisburg and San Antonio		20.8

## FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 27	New York, New Haven and Hartford R. R.	Passenger transportation	\$12,25
June 21	Co. New York Central and Hudson River R. R.		6.20
	Co		35. 85
	Baltimore and Ohio R. R. Co	do	52. 76 35. 25
	Pennsylvania R. R. Codododododododo.	do	35. 25 8. 40
	Duluth, South Shore and Atlantic Rwy, Co.	do	. 11.97
28	Michigan Central R. R. Co Burlington and Missouri River R. R. in	do	14. 25 5. 80
	Nebraska. Atlantic and North Carolina R. R. Co		
29	Jas. S. Topham Henry S. Graves R. S. Hosmer et al J. W. Toumey	do Cases Traveling expenses Salaries Salary	6. 20 46. 00
30	R. S. Hosmer et al	Salaries	21.15 882.31
			148.30
	Total, fourth quarter		7, 162. 61
	Supplemental.		
July 1	W. W. Ashe Jno. Foley O. J. J. Luebkert	Traveling expensesdo	73.56 39.87
5	O.J.J.Luebkert	do	12.65
6	Flint and Pere Marquette R. R. Co.	Passenger transportation	24.99 2.91 10.00
	Henry Grinnell Henry Grinnell Flint and Pere Marquette R. R. Co Gamaliel Jenkins E. J. Pullman	Passenger transportationRules for computingPhoto materials	10.00 117.41
8 10	O. W. Price	Salary	117. 41 59. 30
11	E. J. Pullman O. W. Price Henry Grinnell C. E. Wise O. J. J. Luebkert	Holders, etc.	24. 70 24. 50
12	A. W. Dennis	Expenses Photos Transportation	202.80 17.00
17	A. W. Dennis. United States Express Co O. J. J. Luebkert.	Transportation	1.55 133.25
18	H. McC. Curran		24.70
	do do 	Traveling expenses Expenses Traveling expenses	$11.15 \\ 6.00$
	Anson E. Cohoon	Traveling expenses	25.79 16.00
19	Melville Lindsay Eston & Rupp O. W. Price do Gifford Pinchot	Fountain pen	4. 00 41. 10
	do	do	65.36
	do	do	34.75 22.15
	Morris de Turk High Edw. T. Grandlienard	Salarydo	4. 12 4. 12
	J. A. Caldwell, jr.	do	13.19 50.30
22	Chas Mohr	do	123.60
	Gardner & Son	Expensesdo	58, 43 25, 00
25	Gifford Pinchot  do  Morris de Turk High Edw. T. Grandlienard. J. A. Caldwell, ir C. A. Schenck Chas. Mohr Geo. E. Mac Lean Gardner & Son C. A. Schenck do do	do	6.37 60.00
	Ino W Heston	do	64.50
28	no. W. Heston Morris De Turk High E. T. Grandleinard L. L. Foster G. E. Morrow Patterson Bros A. E. Cohoon	Traveling expenses	218, 70 29, 51
	L. L. Foster	Expenses .	16.69 48.50
3	G. E. Morrow	Hatchets	$5.00 \\ 21.60$
	A. E. Cohoon	Salary	24.70
29	A.E. Cohoon Fred. A. Schmidt H. McC. Curran Fred. A. Schmidt	Traveling expenses	. 66 2. 06
Aug. 1	Fred. A. Schmidt	Hatchets Salary Blue-print paper Traveling expenses Chains Salary Frances	24.75 43.52
	do	Satary Expenses  do Traveling expenses Calipers, etc Seeds Pessanger transports from	13. 05 6. 35
	A. E. Ames	Traveling expenses	24.65
	Thos. Meehan & Sons	Campers, etc	184.45 .62
3	Pennsylvania R. R. Co	Passenger transportationdo	. 62 16. 50 17. 00
	Affred Gaskilldo A. E. Cohoon A. E. Ames Keuffel & Esser Co Thos. Meehan & Sons Pennsylvania R. R. Co Colorado and Southern Rwy. Co New York Central and Hudson River R. R. Co	do	22. 35
	Co. Union Pacific R. R. Co. Chesapeake and Ohio Rwy. Co. Pennsylvania Co.		21.89
	Chesapeake and Ohio Rwy. Co	do	22.50 10.95

## FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1899.	art ar 2 1 151 11 10 1		***
Aug. 4	Chicago, St. Paul, Minneapolis and Omaha R. R. Co.	Passenger transportation	\$13.4
5	A. E. Ames	Salary	24.7
5	C. A. Schenck	Traveling expenses	75.6
	do	Expenses	25.8
10	Jas. S. Topham	Map case, etc	10.0
	Richard T. Fisher	Traveling expenses	243.3
11	Jno. C. Parker	Gummed paper	16.0
12	A. E. Ames	Expenses	9.0
14	Wm. L. Dunham J. A. Caldwell, jr	Measures	21.0 17.8
	E. J. Puilman	Traveling expenses Plate holders	9.0
16	Alfred Gaskill	Traveling expenses	77.7
. 10	T. O. Hutchinson	Pictures	1.0
19	C. H. Shinn	Services	75.0
24	A. C. Cohoon	Traveling expenses	27.1
Sept. 5	Frazier Curtis	Services	9.0
	E. J. S. Moore	do	9.0
	R.T.Fisher	do	9.0
ਚੌ	A. E. Ames	Traveling expenses	26.3
	Baltimore and Ohio R. R. Co	Passenger transportation	160.2
	Chicago and Northwestern Rwy. Co	do	15.3
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	6.0
	Great Northern Rwy. Co	do	10.3
	Seattle and International Rwy. Co	do	5.8
	Wisconsin Central Lines	do	5.2
	Atlantic Coast Line R. R. of Virginia	dodo	12.4
9	H. B. Ayres	Traveling expenses	20.5
19	Southern Pacific Codo	Passenger transportation	51.5
Oct. 12	The White, Corbin & Co.	Envolones	65. 2 10. 6
20	A. E. Ames	Expenses	10.0
Nov. 1	N T Arnold	Cultivating trees	63.0
6	N. T. Arnold Atchison, Topeka and Santa Fé Rwy. Co-	Transportation	6.4
	Total		3,324.6

## RECAPITULATION.

First quarter         \$1,95           Second quarter         3,16           Third quarter         3,50           Fourth quarter         7,16           Supplemental         3,32	160.08 504.10 162.61
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#### EXPERIMENTAL GARDENS AND GROUNDS.

Date.	Name.	Nature of payment.	Total.
1898.		,	
July 8	Christopher Hayes	Packing moss	\$20.00
16	Nathan Sickle	Tobacco stems	
10	Christopher Hayes	Packing moss	
19 25	Wm. Wilson	Potting soil	
26 26	Paul Hiser, jr., & Bro Christopher Hayes	Flowerpots Potting fibers	
30	Jas. K. Kerr et al	Salaries	
Aug. 9	Christopher Hayes	Packing moss	40.00
20	do	do	
23	Church & Stephenson	Lumber	85.89
30	Christopher Hayes	Packing moss	20,00
31	Jas. K. Kerr et al	Salaries	1,675.70
Sept. 14	Jos. P. Brass	Sand	10.00
17	Christopher Hayes	Peat	12.00
30	Jas. K. Kerr et al	Salaries	1,557.10
	m		× 200 00
	Total first quarter		5, 203. 87
Oct. 1	Rudolph, West & Co	Tuon for blooksmith chon	2,94
006. 1	Paul Hiser, jr., & Bro	Flowernots	
	Jas. B. Lambie	Forks	3, 60
	O MO. L. LAWELLINIO	L'ULBO concincentalistics	0.00

## EXPERIMENTAL GARDENS AND GROUNDS-Continued.

D	ate.	Name.	Nature of payment.	Total.
1	.898.	·		
Oct	t. 1	F. P. May & Co. Hugh Reilly Church & Stephenson Francis Miller W. J. Brooke & Co. Christopher Hayes Chas. Becker Caldwell Lawn Mower Co. Chrysh & Stopheson	Tools for blacksmith shop	\$4.69
		Hugh Reilly	Paint	1. 25 5. 00
		Church & Stephenson	1/HHDer	5.00
		Francis Miller	Paint Fruit baskets	1.30 7.80
		W. J. Brooke & Co	Fruit baskets	7.80
		Char Booken	White load	20.00
	3	Caldwell Lawn Mower Co	Packing moss White lead Lawn mower	32.45 90.00
	14	Church & Stephenson Rudolph, West & Co	Lumber	32, 25
		Rudolph, West & Co	Lumber Iron for blacksmith shop	1.03
	22 26 31	Rudoiph, west & Co. Geo. F. Muth & Co. Charles White Jas. K. Kerr et al Thos. Somerville & Sons Church & Stephenson. Jas. K. Kerr et al Las. P. Lombia	Trupentine, etc  Manure  Salaries  Lawn mower  Lumber	21.42
	26	Charles White	Manure	6.09
	31	Jas. K. Kerr et al	Salaries	1,523.20
No	v. 3	Thos. Somerville & Sons	Lawn mower	2.05
	16	Church & Stephenson.	Lumber	11.83
Do	c. 30	Jas. K. Kerr et al	Salaries	1,477.60
Dec	C. 2	Pudolph Woot & Co	Chain shovels etc	3. 20 8. 84
	14	Church & Stephenson	Lumber	9.00
	20	Jas. B. Lambie Rudolph, West & Co Church & Stephenson P. J. Berckmans Co	Shears, etc Chain shovels, etc Lumber Roses	24.00
			Lily of the valley pipsLabels	38, 00
	21	E. S. Schmid	Labels	14.25
		E.S. Schmid Church & Stephenson	Lumber	14. 25 1. 50
		F. A. Schmidt Jas. K. Kerr et al	Manila paper	9.25
	31	Jas. K. Kerr et al	Salaries	1,578.20
			-	4,946.65
13	899.	Total second quarter		1, 7110.00
Jan		F. P. May & Co	Wire cloth	8.64
		do	Files	. 56 7. 50
	9	do J. P. Brass Geo. W. Knox Express Co H. C. Jones C. Becker	Sand Transportation Manure Cart collar	
	12 13	Geo. W. Knox Express Co	Transportation	8.57
	13	H.C. Jones	Manure	59.00
	20 31	C. Becker	Cart collar	5.50
Fel	b. 17	Jas. A. Kerr et al	Salaries	1,699.59
rer	28	Joe K Korr of al	Labor Salaries	1 58( 1(
Ma	r. ~3	Hanry A Dream Incorporated	Flower coade	9.00 1,584.14 82.00
ши	1. 0	W. H. Butler	Glass for greenhouse	28.00
	9	Rudolph, West & Co	Conner wire	10.71
	17	Church & Stephenson	Lumber	10.71 23.75
		Christopher Hayes	Wood mold	12.00
	31	C. Becker Jas. K. Kerr et al J. W. Harris et al Jas. K. Kerr et al Henry A. Dreer, Incorporated W. H. Butler Rudolph, West & Co Church & Stephenson Cnristopher Hayes Jas. K. Kerr et al	Salaries Salaries Salaries Salaries Salaries Salaries Salaries	1,533.08
		Total third quarter		5,072.04
1 20	9	Welentine Duckers	35	10.00
Ap	r. 3 12	Valentine Ruebsam	Manure	18.00 39.80
	15	W I Brooks & Co	Flowerpots Grass seed	10.00
	15 17	Church & Stephenson	Lumbar	11.50
		Nathan Sickle	Lumber Tobacco stems	25.00
		Valentine Ruebsam Paul Hiser, jr., & Bro W. J. Brooke & Co. Church & Stephenson. Nathan Sickle H. H. Berger & Co. Rudolph, West & Co. Edw. S. Schmid. H. A. Dreer, Incorporated Jas K Kerr et al.	Palm seeds	10.00
	18	Rudolph, West & Co	Hardware Extract tobacco Plants	8.08
		Edw. S. Schmid	Extract tobacco	8.08 5.00
	29	H. A. Dreer, Incorporated	Plants	4.75
3.5		Jas. K. Kerr et al.	Salaries	1.301.40
Ma		Jas. B. Lambie	Giue, etc	2. 75 20. 00
	6 29	Legenh Methy	Packing moss	20.00
	31	Jac K Karratal	Salarios	83.28
T		Jas. n. nerret al	Sande	1,345.40
			Decus	2. 74 24. 20
Jui		John Boyle	Arbor vites spries ate	9.1 901
Jui	ne 22 24	John Boyle W. H. Butler	Arbor-vitæ, spruce, etc	16.80
Jui		H. A. Dreer, incorporated Jas. K. Kerr et al Jas. B. Lambie Christopher Hayes Joseph Mathy Jas. K. Kerr et al Henry A. Dreer, Incorporated John Boyle W. H. Butler Thos. Someryille & Sons	Arbor-vitæ, spruce, etc	16.80
Jui	ne 22 24	Henry A. Dreer, Incorporated John Boyle W. H. Butler Thos. Somerville & Sons Adams Express Co	Arbor-vitæ, spruce, etc	16.80 32.96 1.00
Jui	ne 22 24	Henry A. Dreer, Incorporated John Boyle W. H. Butler Thos. Somerville & Sons Adams Express Co Hugh Reilly	Arbor-vitæ, spruce, etc	16.80 32.96 1.00 4.00
Jui		Henry A. Dreer, Incorporated John Boyle W. H. Butler Thos. Somerville & Sons Adams Express Co Hugh Reilly Jas. K. Kerr et al	Salaries Glue, etc Packing moss Tin roofing, etc Salaries Seeds Arbor-vitæ, spruce, etc Glass Pipe, etc Transportation Paint Salaries	16.80 32.96 1.00
Jui	ne 22 24	Henry A. Dreer, Incorporated John Boyle W. H. Butler Thos. Somerville & Sons Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter	Arbor-vitæ, spruce, etc	16.80 32.96 1.00 4.00
	ne 22 24 29 30	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter	-	16.80 32.96 1.00 4.00 1,291.42
	ne 22 24 29 30	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter.  Supplemental.	=======================================	16.80 32.96 1.00 4.00 1,291.42 4,258.08
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter.  Supplemental.	Florromots	16.80 32.96 1.00 4.00 1,291.42 4,258.08
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter.  Supplemental.	Florromots	16.80 32.96 1.00 4.00 1,291.42 4,258.08
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter.  Supplemental.	Florromots	16.80 32.96 1.00 4.00 1,291.42 4,258.08
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter. Supplemental.  Paul Hiser, jr & Bro Fred. A. Schmidt Edw. S. Schmid do	Florromots	16.80 32.96 1.00 4.00 1,291.42 4,258.08 47.50 14.80 19.50
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al  Total fourth quarter  Supplemental.  Paul Hiser, jr & Bro Fred. A. Schmidt Edw. S. Schmid  do	Florromots	16.80 32.96 1.00 4.00 1,291.42 4,258.08 47.50 14.80 19.50 12.50
	29 30 899.	Adams Express Co Hugh Reilly Jas. K. Kerr et al Total fourth quarter. Supplemental.  Paul Hiser, jr & Bro Fred. A. Schmidt Edw. S. Schmid do	=======================================	16.80 32.96 1.00 4.00 1,291.42 4,258.08 47.50 14.80 19.50

## EXPERIMENTAL GARDENS AND GROUNDS-Continued.

Date.	Name.	Nature of payment.	Total.
1899. July 19 28 Aug. 14 16 Oct. 18	Supplemental—Continued.  F. P. May & Co. Church & Stephenson Geo. F. Muth & Co. Adams Express Co. do Chas. Becker Adams Express Co. Total	Putty, etc. Transportation do White lead Transportation	\$0.95 80.50 2.70 1.80 .70 15.42 3.15

#### RECAPITULATION.

First quarter	\$5, 203, 87
Second quarter	4, 946, 65
Third quarter	5,072.04
Fourth quarter	4, 258, 08
Supplemental	399.02
	40 000 00

#### SOIL INVESTIGATION.

1898. July 30 Frank D. Gardner et al. Salaries	Total.
July 30 Frank D. Gardner et al Salaries	
July 30 Frank D. Gardner et al Salaries	6.4MO 00
	\$458,20
Aug. 9 Junius Robinson Labor	10.00
19 Washington Gas Light Co Gas	7.90
24 Milton Whitney Traveling expenses	9.30
31 F. D. Gardner et al. Salaries	458.20
Sept.14 Junius Robinson Labor	10.00
16 Frank D. Gardner Traveling expenses	1.45
do	17.34
20 B. F. T. Bell Moisture apparatus 22 Rodolfo Adams et al Pay roll, soil observers	.75
	150.50
	7.40
50 F. D. Gardner et al	445.00
Total first quarter	1,574.64
Total institution	1,0:1:01
Oct. 1 Fred A. Schmidt Celluloid	1.62
Royce & Marean Splicing compound	. 40
Washington Gas Light Co	7.60
6 Elmer G. Willyoung & Co Wire	1.25
Queen & Co., Incorporated Electrolytic cells	6.75
Fredk. Carl Construction of apparatus	33.15
Junius Robinson Labor	10.00
8 Milton Whitney Traveling expenses Traveling expenses	8.85
14 Rudolph, West & Co Emery paper	. 15
Washington Gas Light Co Gas Rodolfo Adams et al Pay roll, soil observers	5.60 123.25
18 The Okonite Co Wire	1.50
do	.70
19 L. J. Briggs Traveling expenses	19.00
21 Junius Robinson Labor	4.84
22 Z.D.Gilman Lime	1.44
F. P. May & Co Gauge	1.80
Milton Whitney Traveling expenses	16.59
26 Thos. H. Means do	57.53
28 M. Du Perow Electric supplies	3.80
31 F.D. Gardner et al Salaries	458.20
Nov. 1 Rodolfo Adams et al Pay roll, soil observers	38.75
Western Electric Co   Carbon plates	17.01
3 Eugene Munsell & Co Mica	1.25
Thos. Somerville & Sons Labor, etc.  8 Washington Gas Light Co Gas	2.70 7.30
F. D. Gardner Traveling expenses	3.51
10 Ralph S. Hosmer do	2.15
14 F.D.Gardner do	20.46
16 E.J.Pullman Plates	1.50
Doremus & Just Co Wire	1.00
James B. Lambiedo	.30

#### SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 16	Thos. Somerville & Sons	Boiler compound	S5.
	Thos. H. Means F. D. Gardner et al Jno. T. Springman, jr., & Bro. Barber & Ross. Fred A. Schmidt Jas. B. Lambie M. Du Perow. Louis Hartin	Traveling expenses	61. 487. 16.
30	F. D. Gardner et al	Salaries	487.
Dec. 1	Jno. T. Springman, Jr., & Bro	Grate bars	16.
2	Fred A Schmidt	Scale Steel tapes etc	2. 6. 2.
	Jas B Lambie	Steel tapes, etc	2.
	M. Du Perow		ĩ.
	M. Du Perow Louis Hartig M. A. Abalo et al. Washington Gas Light Co F. P. May & Co M. Du Perow Thos. H. Means F. D. Gardner et al	Buzzers Saw blades	
	M. A. Abalo et al.	Pay roll, soil observers	31.
10	Washington Gas Light Co	Gas	13.
14	F. P. May & Co	Files Insulator Traveling expenses Salaries	
20	M. Du Perow	Insulator	3.
22 31	Thos. H. Means	Traveling expenses	51. 599.
91	r. D. Gardner et al	Salaries	599.
	Total second quarter		2,143.
1899.			N, 110.
an. 4	E. J. Pullman	Photograph supplies	7.
	United States Express Co	Transportation	2. 2.
5	Wallace Bros	Platinum prints	2.
	E.J. Pullman United States Express Co Wallace Bros Library Bureau Z.J. G. S.	Cards	6.
12	Z. D. Gilman	Transportation Platinum prints Cards Nitrate silver Making apparatus Laboratory supplies Cards Transportation Gas	1.
0.1	Z. D. Gilman Fredk. Carl Eimer & Amend Library Bureau Milton Whitney Washington Gas Light Co Adams Express Co F. D. Gardner et al B. H. Guerry et al	Making apparatus	6.
24	Library Purson	Canda	35. 7.
25	Milton Whitney	Transportation	91
28 28	Washington Gas Light Co	Transportation Gas Transportation Salaries Pay roll, soil observers Supplies and services Transportation Battories	21 17
740	Adams Express Co	Transportation	2
31	F. D. Gardner et al	Salaries	613
eb. 1	B. H. Guerry et al. Thos. Somerville & Sons. United States Express Co	Pay roll, soil observers	18
	Thos. Somerville & Sons	Supplies and services	18.
3	United States Express Co	Transportation	
8	M. Du Perow	Batteries. Making brass, etc Glass tubing Goulds packing	8.
10	Thos. Somerville & Sons	Making brass, etc	8.
21 25	Kny Scheerer Co	Glass tubing	6.
25	C. E. McCoy	Goulds packing	6.
	The Sementille & Sens	Gas Soil sampler do Screws	15.
	do	do do	8.
	Rudolph West & Co	Scrows	1
27	United States Express Co M. Du Perow. Thos. Somerville & Sons. Kny Scheerer Co C. E. McCoy Washington Gas Light Co Thos. Somerville & Sons. do Rudolph, West & Co Missouri, Kansas and Texas R. R. Co Penrsylvania R. R. Co Florida Central and Peninsular R. R. Co F. D. Gardner et al	Transportation	22. 7. 553.
28	Pennsylvania R. R. Co	Transportation Passenger transportation	22
	Florida Central and Peninsular R. R. Co	do	7.
	F. D. Gardner et al.	Salaries	553.
far. 1	Schneider Bros	Psychrometers	Э.
	Pennsylvania R. R. Co.	Passenger transportation	8.
2	White II Teture & Co	do	27.
Ñ	A P Lang & Co	Pananing manan	2.6
11	M Du Parour	Flor tube	1
14	Eimer & Amend	Alcohol lamns	1.7
	F. D. Gardner et al. Schneider Bros. Pennsylvania R. R. Co. Florida Central and Peninsular R. R. Co. Whitall, Tatum & Co. A. P. Lang & Co. M. Du Perow. Eimer & Amend Z. D. Gilman B. F. T. Bell Frederick Carl	Salaries Psychrometers Passenger transportation do Flasks Papering room Flex. tube Alcohol lamps Tubes Wire spools	3.
	B. F. T. Bell	Wire spools	
	Frederick Carl	Labor and material construct-	11.
	TT. 11. 1 Ct. 1 T	ing switches.	
1.7	United States Express Co Washington Gas Light Co New York, New Haven and Hartford R. R. Co. Fredk. Carl E. J. Pullman. J. T. Springmann Thos. Somerville & Son. F. D. Gardner et al.	Labor and material construct- ing switches.  Transportation	2.
15 16	Washington Gas Light Co	Gas	14. 8.
10	R R Co. New Haven and Hartford	Passenger transportation	8.
17	Fradk Corl	Monoung oung oto	
20	E J Pullman	Mercury cups, etc.	49
20 24	J. T. Springmann	Renairs to boiler	42. 1.
29 31	Thos. Somerville & Son	Photograph supplies Repairs to boiler Making brass tubes Salaries	4.
31	F. D. Gardner et al.	Salaries	613.
	Total third quarter		2, 153.
pr. 1	W. & L. E. Gurley B. F. T. Bell Church & Stephenson Woodward & Lothrop Library Bureau	Compass and level	30.
10	B. F. T. Bell	Compass and level Wire spools Lumber	3.
	Church & Stephenson	Lumber	2.
	Woodward & Lothrop	Jars Cards	2. 10.
. 11	Library Bureau	Cards	2. 3.
10	The Okonite Co		3.
12	Fredk, Carl Z. D. Gilman Farrow Arms Co. Mackall Bros. Washington Gas Light Co. Fredk, Carl	Cells, etc. Casseroles, etc. Mercury cups Soda, etc. Gas Brass rings	86.
15	Z. D. Gilman	Casseroles, etc	19.
	Machell Day	Mercury cups	5.
		Sode oto	2.
	Washington Coa Light Co	O	12.

#### SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
pr. 24	F. P. May & Co The Geo. W. Knox Express Co Pennsylvania R. R. Co F. D. Gardner et al Chicago and North Western Rwy. Co. Baltimore and Ohio R. R. Co Frank D. Gardner Thos. H. Moone	Balance and tapeline	\$2.
Par iva	The Geo. W. Knox Express Co	Drayage Passenger transportation Salaries Transportation do Traveling expenses	
25	Pennsylvania R. R. Co	Passenger transportation	111.
29	F. D. Gardner et al	Salaries	586.
fay 3	Chicago and North Western Rwy. Co	Transportation	
·	Baltimore and Ohio R. R. Co	do	2.
12	Frank D. Gardner	Traveling expenses	. 69
	Thos. H. Means Western Electric Co	Hydrometers	107.
17	Western Electric Co	Hydrometers	192.
	Emil Greiner Thos. Somerville & Son	Cananatan	2.
23	Thos. Somerville & Son		2. 2.
	Z. D. Gilman	Stoppers, tubing and corks	6.
24	Washington Gas Light Co	Gas	10.
31	F. D. Gardner et al	Salaries	606.
une 1	Fred A. Schmidt	Level	5. 77.
	Thos Solines  Z. D. Gilman  Washington Gas Light Co.  F. D. Gardner et al  Fred A. Schmidt  Z. D. Gilman	Flasks, etc	77.
2	Milton Whitney	Traveling expenses	3.
9	Frank D. Gardner	do	3. 50.
i d	Milton Whitney Frank D. Gardner Thos. H. Means	do	100.
13	Frederick Carl	Brass caps Transportation	4.
17	Baltimore and Ohio R. R. Co	Transportation	1.
20	Rudolph, West & Co. Rudolph, West & Co. Washington Gas Light Co. Adams Express Co.	Locks, etc.	11.
24	Washington Gas Light Co	Transportation	7.
	Adams Express Co	do	2. 2.
	do	Traveling expenses Passenger transportation	2.
26 27	Milton Whitney	Traveling expenses	66.
27	Southern Rwy. Co.	Passenger transportation	38.
	Texas and Pacific Rwy. Co	do	9.
29	do Milton Whitney. Southern Rwy. Co. Texas and Pacific Rwy. Co. Jas. B. Lambie Jas. S. Topham. W. C. Newton & Co. Chicago, Burlington and Quincy R. R. Co. do. Baltimore and Ohio R. R. Co.	do Glue Leather handles, etc	
	Jas. S. Topham	Leather handles, etc	1.
	W. C. Newton & Co	Electro	1.
	Chicago, Burlington and Quincy R. R. Co.	Electro Transportationdo	2.
	do'	do	٠.
20	Daitimore and Onto it. it. Co	Salaries	1.
30	F. D. Gardner et al		586.
	Total fourth quarter		2,862.
	Supplemental.		
uly 1	Eimer & Amend	Iron wire	
11	E.J. Pullman	Plates	5.
12	E. J. Pullman Jas. G. Biddle	Condenser Repairing galvanometer Transportation	65.
	do	Repairing galvanometer	1.
	do United States Express Co	Transportation	3.
18			92.
	Frank D. Gardner	do	41.
21	Washington Gas Light Co	Gas	6.
28	Thos. H. Means Frank D. Gardner Washington Gas Light Co Church & Stephenson Thos. Somerville & Sons Adams Express Co	Lumber Fire brick Transportation	145. 13.
	Thos. Somerville & Sons	Fire brick	13.
ug. 16	Adams Express Co	Transportation	4.
-	do	do	
	do	Mercury cups	5.
ept. 1	Blue Line Transfer Co	Transportation	4.
- /	do	do	
6	Missouri, Kansas and Texas Rwy. Co	Passenger transportation	, 21.
	The Wabash R. R. Co	do	27. 15.
	Atchison, Topeka and Santa Fé Rwy. Co	do	15.
20	Royce & Marean	Splicing compound	
	Adams Express Co	Transportation	
	United States Express Co	do	
	Chicago and Northwestern Rwy. Co	do	٠,٠
1 10	Pennsylvania K. K. Co	do	1.
et. 18	Adams Express Co	do	1. 7.
	The Coe W Know France C	do	7.
Torr C	Chicago and Northwestern Press Co	do	· .
Tov. 6	do Missouri, Kansas and Texas Rwy. Co The Wabash R. R. Co Atchison, Topeka and Santa Fé Rwy. Co Royce & Marean Adams Express Co United States Express Co Chicago and Northwestern Rwy. Co Pennsylvania R. R. Co Adams Express Co The Geo. W. Knox Express Co Chicago and Northwestern Rwy. Co	ao	
	Total		466.

First quarter	\$1,574.64
Second quarter	2, 143, 03
Third quarter	2, 153, 39
Fourth quarter	2, 862, 23
Supplemental	466, 92
O. A. D. D. D. T.	250.00

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. SOILS—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 3 Sept. 15	Jno.F. Sheado	Rent of laboratorydo	\$55.00 55.00
Oct. 1 Nov. 3 Dec. 2	Total first quarter  Jno. F. Shea  do  do	Rent of laboratory	55.00 55.00 55.00
1899. Jan. 5 Feb. 4 Mar. 3	Jno.F. Sheadodo	Rent of laboratorydo	55. 00 55. 00 55. 00 55. 00
Apr. 3 May 4	Total third quarter  Jno. F. Shea  do  do  do	Rent of laboratorydo	165. 00 55. 00 55. 00 55. 00
July 11	Total fourth quarter		165.00 55.00

#### RECAPITULATION.

First quarter	\$110.00
Second quarter	165, 00
Third quarter	165.00
Fourth quarter	
Supplemental	55, 00

#### GRASS AND FORAGE-PLANT INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 15	F. L. Scribner	Traveling expenses	\$21.05
25	H. H. Brown	Camera	25.90
30	L. S. Williams et al		344.30
Aug. 3	Ernst A. Bessey	Salary	32.26
	E.J. Pullman	Films, etc	11.00
5	F. L. Scribner	Expenses	9.93
	do	Traveling expenses	49.50
	Robt. Combs	Salary	74.19
9	The Smith Premier Typewriter Co	Typewriter	92.25
12	C. R. Ball	Salary	45. 16
	David Griffiths	do	58.06
	E. Morrison Paper Co	Herbarium paper	22.45
16	do		15.00
18			18.05
1.0	C. L. Shear Robt. Combs		81.93 83.65
19	Z. D. Gilman		85.05
10	Rudolph, West & Co	Drugs Chisels	
23	Jno. C. Parker	Copyholder.	
25	E. J. Pullman	Films	10.80
140	E. Morrison Paper Co	Paper	2.50
27	E. J. Pullman	Photograph work	.80
31	L. S. Williams et al	Salaries	335, 27
Sept. 2	C. R. Ball		100.00
	Ernst A. Bessey	do	50,00
6	Thos. A. Williams	Traveling expenses	68, 20
9	Robt. Combs	Salary	100.00
. 10	H. L. Bentley	Expenses	14.45
13	J. G. Smith	Traveling expenses	17.25
14	J. G. Smith Chicago and North-Western Rwy. Co	Passenger transportation	1.11
	C. R. Ball	Traveling expenses	60.80
	Robt. Combs	do	139.80
	Florida Central and Peninsular R. R. Co	Passenger transportation	8.80

## GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 14	Pennsylvania R. R. Co Burlington and Missouri River R. R. Co F. L. Scribner do C. L. Shear do do John	Passenger transportationdo	\$104.30 62.70
16	F. L. Scribner	Traveling expenses	62.70 93.50
20	C. L. Shear	Expenses Traveling expenses	6.20 139.39
	do	do	63.00
22	Library Bureau	do	. 50 17. 85
23	do Library Bureau David Griffiths Chesapeake and Ohio Rwy. Co Denver, Leadville and Gunnison Rwy. Co Denver and Rio Grande R. R. Co Adams Express Co Florida Central and Peninsular R. R. Co T. A. Williams L. C. Hill et al	Salary Passenger transportation	100.00 $3.50$
20	Denver, Leadville and Gunnison Rwy. Co.	do	16 00
	Denver and Rio Grande R. R. Co	Transportation	16.00 1.80
26 27 30	Florida Central and Peninsular R. R. Co	do Transportation Passenger transportation Traveling expenses	28.90
30	L. C. Hill et al.	Salaries	28.90 127.20 222.20
	Total first quarter		2,902.95
Oct. 1	E I Pullman	Films	10.80
000. 1	E. J. Pullman Maurice Joyce Engraving Co. Southern Rwy. Co. C. R. Balldo Robert Combs.	Electrotypes	1.24
	C. R. Ball	Electrotypes Passenger transportation Salary	16.10 60.00
9	do	Traveling expenses Salary Drawings Salary Expenses	39.85
3 5			100.00 16.00
6	E. A. Bessey T. A. Williams David Griffiths	Salary	16.00 50.00
11	David Griffiths		5. 95 100. 00
14	United States Express Co David Griffiths H. L. Bentley Robt Combs H. H. Brown	Expenses	29.03 16.20
19	David Griffiths	Salary	45. 16
20	H. L. Bentléy	Expenses	15.50 154.10
	H. H. Brown	Finder	5.00
22	A. B. Leckenby	Services	24.40 75.00
24	The Wabash R. R. Co.	Passenger transportation	9.87
	A. B. Leckenby H. L. Bentley The Wabash R. R. Co. Illinois Central R. R. Co Great Northern Rwy. Co Texas Pacific Rwy. Co Louisville and Nashville R. R. Co. E. A. Bessey. A. H. Baldwin do L. C. Hill et al Robt Combs	Servicesdo Passenger transportationdododo	16.00 3.00
	Texas Pacific Rwy. Co.	dodo	1.20
29	E. A. Bessey	Salary Drawings do Salaries	25. 80 17. 74
31	A. H. Baldwin	Drawings	17.74 7.25 17.00
	L. C. Hill et al	Salaries	226, 40
Nov. 1	Robt Combs T. W. Wood & Sons F. L. Scribner	Salaries Services Clover seed Traveling expenses Salary	25.81 3.33
9	F. L. Scribner	Traveling expenses	19.55
15 16	A. B. Leckenby E. J. Pullman	Salary Photograph supplies	25.30 15.80
10	M. G. Copeland & Co	Photograph supplies Canvas sheet Specimens	15.80 5.50
30	L. C. Hill et al	Salaries	2.00 222.20 10.00
Dec. 2	Henry H. Brown	Trimming board	. 10.00 1.36
8	F. L. Scribner A. B. Leckenby E. J. Pullman M. G. Copeland & Co G. N. Collins L. C. Hill et al Henry H. Brown Peter Henderson & Co The Denver, Leadville and Gunnison Rwy. Co.	Salaries Trimming board Seeds Passenger transportation	16.80
	Kansas City, Watkins and Gulf Rwy. Co The Depver and Rio Grande R. R. Co Florida Central and Peninsular R. R. Co Burlington and Missouri River R. R. in	do	3.00
	The Denver and Rio Grande R. R. Co Florida Central and Peninsular R. R. Co	do	6.30 13.00
	Burlington and Missouri River R. R. in	do	95.15
	Nebraska. Southern Pacific Co.	do	7.09
10	Baltimore and Ohio R. R. Co	do	7.09 17.50
10 12	Nebraska. Southern Pacific Co	Salary	. 60 24. 40 20. 79
15 19	H. L. Bentley	Expenses	20.79
10	Savannah, Florida and Western Rwy. Co.	do	4.90
	Kansas City, Pittsburg and Gulf R. R. Co Northern Pacific Rwy. Co	dodo	20.61 96.25
21	E. A. Bessey	Box	96.25 .75 17.00
21 23 31	L. C. Hill et al	Salaries	276.40
	Total second queston		2,043.93
	Total second quarter		2,040.90
1899. Jan. 4	E.J. Pullman	Solio paper	5.00
5	E. J. Pullman Peter Henderson & Co.	Grass seeds	3.00

## GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

Co.   do   4.66	Date.	Name.	Nature of payment.	Total.
Str.   Springs   Ocale and Gulf R R Co	1899.	Dannariwania D. D. Co	Paggangan transportation	010 55
Str.   Springs   Ocale and Gulf R R Co	Jan. o	Savannah, Florida and Western Rwy. Co New York. New Hayen and Hartford Rv.	do	57.10 5.55
The Geo. W. Knox Express Co		Co		4.60
The Geo. W. Knox Express Co	7	The Office and Library Co	Neostyle	45.00
The Geo. W. Knox Express Co	12	H. L. Bentley	Services	75.00
Seabury & Johnson		A H Baldwin	Drawings	14.00
Seabury & Johnson		The Geo. W. Knox Express Co	Transportation	1.40
Seabury & Johnson	16	E. J. Pullman	Album	4.40
Seabury & Johnson	17	A. B. Leckenby	Grass seed	17.50
Seabury & Johnson	21 24	Wm P Brooks	Millet seed	18.00
25	₩T.	Seabury & Johnson	Isinglass plaster	3.00
25		Ed. S. Hughes & Co	Netting	28.87
25		Jas. K. Metcalfe	Metcalfe bean	100.00
E. Morrison Paper Co	95	H H Brown	Camara etc	47 50
Teb   1	20	E. Morrison Paper Co	Herbarium paper	13.47
Teb   1	27	F. Lamson Scribner	Traveling expenses	31.30
Teb   1	28	Adams Express Co	Transportation	1.50
Feb. 1   T. W. Wood & Sons	91	T C Hill of al	Galarios	252 60
H. L. Bentley	Feb. 1	T. W. Wood & Sons	Grass seed	31.60
H. L. Bentley		H. C. Jones	Engraving.	1.22
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00		Franklin & Co	Compass and repairs	8.50
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	9	H. L. Bentley	Salary	25.80
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	3	M D R Willis	Drawings	3 00
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	4	Seabury & Johnson	Isinglass plaster	6 (10)
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	7	E. J. Pullman	Photograph supplies	5.58
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	16	Harry C. Jones	Engravings	5.26
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00		A. B. Leckenby	Collection grasses etc	10.79
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	20	Robt, Combs	Salary	35.48
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	23	Peter Henderson & Co	Grass seed	2.40
Mar   2   Flaint Steamsin Line   Flassinger transportation   2.00	25		Chloride gold	.30
L. C. Hill et al.   Salaries   216.00   Passenger transportation   17.55   Robt. Combs   Salary   10.00   23.46   H. L. Bentley   do   23.46   22.5   Salary   22.5   Salary	21	Plant Seed Co	Seeds	1.20
P. B. Kennedy	20	L. C. Hill et al	Salaries	216, 00
P. B. Kennedy	Mar. 2	Southern Rwy. Co	Passenger transportation	17.50
P. B. Kennedy		Robt. Combs	Salary	100.00
P. B. Kennedy		H. I. Bontley	do	23. 40
P. B. Kennedy	7	Seabury & Johnson	Isinglass plaster	4.50
P. B. Kennedy		Gatchel & Manning	Engraving	6.00
P. B. Kennedy		Florida Central & Peninsular R. R. Co	Passenger transportation	5. 15
P. B. Kennedy	10	Vazoo and Mississippi Vallay R R Co	do	25. 65
P. B. Kennedy	17	E. J. Pullman	Photographic supplies	8.50
P. B. Rennedy	24	Haller Kemper Co	Solidal, etc	. 90
Total third quarter   Salaries   2,006.89		P.B. Kennedy	Article on structure grass fruit	105 00
Total third quarter   Salaries   2,006.89	25	Southern Pacific Co	Passenger transportation	51.05
Total third quarter   2,006.89	31	L. C. Hill et al	Salaries	229.50
1899. Apr. 1   W. A. Burpee & Co.   Seed and bags   14.99     H. L. Bentley				
Apr. 1       W. A. Burpee & Co.       Seed and bags       14.98         H. L. Bentley       Salary       25.80         A. B. Leckenby       do       25.80         Robt. Combs       do       100.00         Willard Fracker       Neostyle ink. etc       8.10         Henry Evans       Plaster       2.44         P. Mann & Co.       Bone meal       13.00         H. H. Brown       Shutter       10.00         Mackall Bros       Gold and sodium       90         H. H. Brown       Repairing kodaks       7.75         18       Jno. A. Salzer       Seeds       2.25         21       Peter Henderson & Co.       do       36.20         22       E. Morrison Paper Co.       Herbarium paper       13.47         Peter Henderson & Co.       Seeds       2.25         New York Central and Hudson River R. R. Co.       Qo       23.20         Lake Shore and Michigan Southern Rwy.       do       23.20	1000			
P. Mann & Co		W A Burpae & Co	Good and bace	14.00
P. Mann & Co	Apr. 1	H. L. Bentley	Salary	25.80
P. Mann & Co		A. B. Leckenby	do	25.80
P. Mann & Co		Robt. Combs	do	100.00
P. Mann & Co	4	JIO. U. Parker Willard Fracker	Seed bags	19.07
H. H. Brown   Shutter   10.00	12		Plaster	2.40
H. H. Brown   Shutter   10.00		P. Mann & Co	Bone meal	13.00
H. H. Brown   Repairing kodaks   7.75     18	1-	H. H. Brown	Shutter	10,00
21   Peter Henderson & Co.   do   36.20     22   E. Morrison Paper Co.   Herbarium paper   13.47     Peter Henderson & Co.   Seeds   15.60     Pennsylvania R. R. Co.   Passenger transportation   6.50     New York Central and Hudson River R. R.   do   9.25     Co.   Lake Shore and Michigan Southern Rwy.   do   23.20	19	H H Brown	Popularing kodelka	. 90
Peter Henderson & Co.	18	Jno. A. Salzer		2.25
Fetter Henderson & Co.   Seeds   15.00	21	Peter Henderson & Co	do	36.20
Fetter Henderson & Co.   Seeds   15.00	22	E. Morrison Paper Co	Herbarium paper	13.47
Co. Lake Shore and Michigan Southern Rwy. do 23.20	25	Peter Henderson & Co	Seeds	15.60
Lake Shore and Michigan Southern Rwydo	20	New York Central and Hudson River R. R.	do	9.25
Lake Shore and Michigan Southern Rwy. do 23.20		Co.		
		Lake Shore and Michigan Southern Rwy.	do	23.20

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899 \textbf{--Cont'd}.$

## GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

	GRASS AND FORAGE-TEANT IN		
Date.	Name.	Nature of payment.	Total.
1899.	II i a Davida D. D. Ca	Decrees the second of the	011 22
Apr. 25 28	Union Pacific R. R. Co	Passenger transportation	\$44.75 28.50
29	A. H. Baldwin L. C. Hall et al	Drawings	28.50 263.77
May 2	A. B. Leckenby	Salary	24.70
4	do	Photographs	18.50
9	H. L. Bentley	Expenses	18. 25
11	Violet Dandridge	Drawing of grass	39.00 18.25 1.50
7.5	E. J. Pullman	Photographic supplies	15.43
15 16	H I. Bentley	Seed bags	58.34 24.70
10	do	Labor	51.82
	Thos. A. Williams	Traveling expenses	25.50
17	E.J. Pullman	Photographic supplies	8. 68 18. 31 277. 80
31	L. C. Hill et al	Salaries	277.80
June 1	The Geo. W. Knox Express Co	Transportation	. 97
2	Harry C. Jones	Engraving	$18.28 \\ 6.25$
6	A. B. Leckenby	Salary	25.60
	H. L. Bentley	do	25.60
13	E. Morrison Paper Co	Cards	10.00
14 22	do do H. L. Bentley Violet Dandridge E. J. Pullman Jno. C. Parker H. L. Bentley do Thos. A. Williams E. J. Pullman Henry C. Jones L. C. Hill et al The Geo. W. Knox Express Co Harry C. Jones J. J. H. Gregory A. B. Leckenby H. L. Bentley E. Morrison Paper Co Robt. Combs H. L. Bentley Library Bureau	Drawings. Salaries Salary Photographs Seeds Expenses Drawing of grass. Photographic supplies Seed bags Salary Labor Traveling expenses Photographic supplies Engraving Salaries Transportation Engraving Beans Salarydo Cards Services Expenses, labor Box guides and cards Passenger transportation Drawings. Frames, etc Portfolio Traveling expenses Passenger transportation Drawings Transportation Drawings Frames, etc Portfolio Traveling expenses Passenger transportationdo Traveling expenses Passenger transportationdo Traveling expenses Passenger transportationdo Traveling expenses	36. 67 52. 15
22 23	Library Bureau	Box guides and cards	13.50
2.1	Chicago and Northwestern Rwy. Co	Passenger transportation	44.45
24	A. H. Baldwin The Washington Woodworking Co	Drawings	40.00 8.00
	C. Becker	Portfolio	4.10
	Adams Express Co	Transportation	. 35
96	H. L. Bentley Library Bureau Chicago and Northwestern Rwy. Co. A. H. Baldwin The Washington Woodworking Co. C. Becker Adams Express Co. do. A. B. Leckenby Baltimore and Ohio R. R. Co. Vicksburg, Shreveport and Pacific R. R. Co. F. Lamson Scribner Edward Palmer E. J. Pullman	Traveling or pages	. 25 119. 50
26 27	Baltimore and Ohio R. R. Co	Passenger transportation	33.15
	Vicksburg, Shreveport and Pacific R. R. Co.	do	2.10
29	F. Lamson Scribner	Traveling expenses	2.10 21.45 30.00
	E J Pullman	Photographic supplies	27. 54
30	E. J. Pullman Thos. A. Williams et al	do	352.73
	Total fourth quarter	`	2, 126. 47
	Supplemental.		2,100.11
fuels 1	11	E	99.50
July 1	Gatchel & Manning do	Engravingdo	23.50 21.50
	do	Prints	19, 50
	Seabury & Johnson	Isinglass	4.50 98.90
5	A. B. Leckenby	Harbarium nanar	98.90
10	H. L. Bentley	Salary	24.70
11	C. L. Shear	Traveling expenses	96.70
12 18	Hanry H Brown	Camera etc	. 90 73. 50
20	do Seabury & Johnson A. B. Leckenby E. Morrison Paper Co. H. L. Bentley C. L. Shear United States Express Co. Henry H. Brown W. B. Moses & Sons A. B. Leckenby H. L. Bentley Robt. Combs. do	Prints Isinglass Salary Herbarium paper Salary Traveling expenses Transportation Camera, etc Carpet felt Traveling expenses Expenses do	10,00
22 25	A. B. Leckenby	Traveling expenses	51 00
Aug. 25	Robt Combs	Expenses	. 14.00 25.30
_	do Pennsylvania R. R. Co Florida Central and Peninsular R. R. Co Adams Express Co do C Bagker	Traveling expenses	93.35
3	Pennsylvania R. R. Co	Passenger transportation	17.50 7.40 1.25 2.78 2.00 7.30
$\frac{3}{16}$	Adams Express Co	Passenger transportation	7.40
10	do	do	2.78
21 31	C. Becker	Straps	2.00
	F. L. Scribner	Traveling expenses	7.30
Sept. 1	Blue Line Transfer Co.	Transportation	48.35 .28
6	Baltimore and Ohio R. R. Co	Passenger transportation	74.00
	Oregon R. R. and Navigation Co	do	63.00
20	United States Express Co	Transportation	63.00 14.20 8.79
Oct. 4	E. J. Pullman	Photographic supplies	11.65
18	Adams Express Co.	Transportation	63
	do C. Becker F. L. Scribner A. B. Leckenby Blue Line Transfer Co Baltimore and Ohio R. R. Co Oregon R. R. and Navigation Co Southern R. R. Co United States Express Co E. J. Pullman Adams Express Co The Geo. W. Knox Express Co A. B. Leckenby	do	2. 25 . 38
Nov. 6	A. B. Leckenby	Expenses	30.00
	Total		863. 48
	Total		000.40

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	2,043.93 2,006.89 2,126.47
Total	9, 943, 72

#### IRRIGATION INFORMATION.

Date	\$84.20 39.20 20.39.20 11.00 12.05 57.70 39.70 23.80 21.00 18.00 7.50 11.65 84.20 95.80 3.92 2.40
July 30	39, 20 20, 30 11, 00 12, 05 57, 70 39, 70 23, 80 21, 00 18, 00 7, 50 11, 65 84, 20 95, 80 2, 40
Aug. 5   W. H. Beal	39, 20 20, 30 11, 00 12, 05 57, 70 39, 70 23, 80 21, 00 18, 00 7, 50 11, 65 84, 20 95, 80 2, 40
B. C. Buffum	20, 30 11, 00 12, 05 57, 70 39, 70 23, 80 21, 00 18, 00 7, 50 11, 65 84, 20 95, 80 3, 92 2, 40
Geo. L. Swendsen	- 11. 00 12. 05 57. 70 39. 70 23. 80 21. 00 18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
Luther Foster	12. 05 57. 70 39. 70 23. 80 21. 00 18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
Luther Foster	57. 70 39. 70 23. 80 21. 00 18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
19	39. 70 23. 80 21. 00 18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
25	21. 00 18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
Elwood Mead	18. 00 7. 50 11. 65 84. 20 95. 80 3. 92 2. 40
Elwood Mead	7.50 11.65 84.20 95.80 3.92 2.40
O. V. P. Stout	11. 65 84. 20 95. 80 3. 92 2. 40
S. M. Emery	84.20 95.80 3.92 2.40
Sept. 2 14 Chicago and Northwestern Rwy. Co Cincinnati, New Orleans and Texas Pacific Rwy. Co. Burlington and Missouri River R. R. in Nebraska. The Chesapeake and Ohio Rwy. Co. 26 St. Louis, Keokuk and Northwestern R. R. Co. 28 Nellie Preston Jas. R. Covert Total first quarter  Oct. 3 Anna Morley Elwood Mead Llwood Mead Elwood Mead Elwood Mead Elwood Mead St. M. Wilson Jas. R. Covert Salary  Traveling expenses Passenger transportation do  do St. Louis, Keokuk and Northwestern R. R. do Stenographic report Salary  Services Expenses do Traveling expenses Passenger transportation do Traveling expenses Traveling expenses Passenger transportation Traveling expenses Services Expenses Traveling expenses Traveling expenses Traveling expenses Ano Do Traveling expenses Traveling expenses Passenger transportation Traveling expenses Traveling expenses Traveling expenses Services Traveling expenses Traveling expenses Traveling expenses Services Traveling expenses Traveling expenses	95.80 3.92 2.40
Chicago and Northwestern Rwy, Co	2.40
Rwy. Co.	
Burlington and Missouri River R. R. in Nebraska.   do   do   do   do   do   do   do   d	29.50
Nebraska	29.50
23	
St. Louis, Keokuk and Northwestern R. R. Co. Co.	14.55
Co.   Nellie Preston   Stenographic report   Salary	11.50
28	11.00
Total first quarter   Services   Expenses   Anna Morley   Elwood Mead   Expenses   Anna Morley   Services   Report on water rights   Jas. M. Wilson   Report on water rights   Anna Morley   Services   Report on water rights   Anna Morley   Services   Report on water rights   Anna Morley   Salary   Colorable   C.T. Johnston   Salary   C.T. Johnston   Survey and maps   Anna Morley   Services	195.20
Total first quarter   Services   Expenses   Anna Morley   Elwood Mead   Expenses   Anna Morley   Services   Expenses   Anna Morley   Services   Report on water rights   Jas. M. Wilson   Report on water rights   Jno. E. Field   do   Elwood Mead   Traveling expenses   Passenger transportation   Union Pacific R. R. Co   Union Pacific R. R. Co   Salary   C. T. Johnston   Survey and maps   Services   Servic	81.60
Oct. 3         Anna Morley         Services           Elwood Mead         Expenses           do         Jas. M. Wilson         Report on water rights           Jno. E. Field         do           Elwood Mead         Traveling expenses           Baltimore and Ohio Southwestern Rwy.Co         Passenger transportation           Union Pacific R. R. Co         Salary           Vov. 3         C.T. Johnston         Survey and maps           Anna Morley         Services           Elwood Mead         Expenses	864.77
O	
O	25.00
17	8.67
Onion Facinc R. R. Co   do     Jas. R. Covert   Salary     Nov. 3   C. T. Johnston   Survey and maps     Anna Morley   Services     Elwood Mead   Expenses	1.01
Onion Facinc R. R. Co   do     Jas. R. Covert   Salary     Nov. 3   C. T. Johnston   Survey and maps     Anna Morley   Services     Elwood Mead   Expenses	50.00
Onion Facinc R. R. Co   do     Jas. R. Covert   Salary     Nov. 3   C. T. Johnston   Survey and maps     Anna Morley   Services     Elwood Mead   Expenses	50.00
Onion Facinc R. R. Co   do     Jas. R. Covert   Salary     Nov. 3   C. T. Johnston   Survey and maps     Anna Morley   Services     Elwood Mead   Expenses	82.15
Onion Facinc R. R. Co   do     Jas. R. Covert   Salary     Nov. 3   C. T. Johnston   Survey and maps     Anna Morley   Services     Elwood Mead   Expenses	9.00
Nov. 3 C.T.Johnston Survey and maps. Anna Morley Services Elwood Mead Expenses	56.25
Anna Morley Services Elwood Mead Expenses	84.20
Elwood Mead Expenses	200,00 30,00
30 I B Covert	14.05
	81.60
30 J. R. Covert	16.69
15 Anna Morley Services	25, 00
19 Great Northern Rwy. Co. Passenger transportation	5.00 27.70
15   Anna Morley   Services   19   Great Northern Rwy. Co   Passenger transportation   Northern Pacific Rwy. Co   do	27.70 750.00
do	10.00
21 Elwood Mead Article on water-right laws	84.20
Total second quarter	1,640.52
1900	
Jan. 31 J. R. Covert. Salary	00.10
Jan. 31   J. R. Covert   Salary     Feb. 1   Anna Morley   Services	86.10
9 Elwood Mead Traveling expenses	25. 00 147. 24 5. 77 25. 00 77. 80
Expenses	5.77
20 Anna Morley Services	25.00
28 Jas. R. Covert Salary	77.80
	10.00
o Anna Moriev Sajarv	25.00
9 Elwood Mead Traveling expenses United States Express Co Transportation	148.80 7.70
22 United States Express Co Transportation Jas. R. Covert Salaries	86.10
	60.10
Total third quarter	
Apr. 3 J. R. Buckelew. Typewriters	647.81
Fred. A. Schmidt. Measuring tane etc	180,00
10 Anna Morley Salary	180,00
17   C. T. Johnstondodo	180,00

# IRRIGATION INFORMATION—Continued.

1899.   Apr. 19   22   Gundlach Optical Co	225. 45 80. 00 37. 50 35. 00 22. 00 147. 02 375. 00 123. 60 25. 00
Apr. 19         Elwood Mead         Traveling expenses         \$           22         Gundlach Optical Co         Camera         Camera           29         Fred A Schmidt         Drawing table         Copyer           Library Bureau         Catalogue case         Salary           Jas. R. Covert et al         Salary         Reports on irrigation           Clarence T. Johnston         Salary         do           Anna Morley         do         do           Elwood Mead         do         Traveling expenses           11         The Maurice Joyce Engraving Co         Engraving           17         W. B. Moses & Sons         Desk and chairs           18         W. L. E. Gurley         Instrument for water measure	80.00 37.50 35.00 22.00 147.02 375.00 123.60
Apr. 19         Elwood Mead         Traveling expenses         \$           22         Gundlach Optical Co         Camera         Camera           24         Fred A. Schmidt         Drawing table         Copyer           Library Bureau         Catalogue case         Catalogue case           Jas. R. Covert et al         Salary           Elwood Mead         Reports on irrigation           Clarence T. Johnston         Salary           Anna Morley         do           Elwood Mead         do	80.00 37.50 35.00 22.00 147.02 375.00 123.60
May 2   Elwood Mead   Reports on irrigation	80.00 37.50 35.00 22.00 147.02 375.00 123.60
May 2   Elwood Mead   Reports on irrigation   Salary	35. 00 22. 00 147. 02 375. 00 123. 60
May 2   Elwood Mead   Reports on irrigation	375.00 123.60
Elwood Mead	375.00 123.60
Elwood Mead	375.00 123.60
Elwood Mead	25.00
Elwood Mead	
11 The Maurice Joyce Engraving Co Engraving 17 W. B. Moses & Sons Desk and chairs 18 W. L. E. Gurley Instrument for water measure.	206.00
18 W. & L. E. Gurley	11.70
18 W. & L. E. Gurley	5.28 60.90
Galvanotype Engraving Co Cut	100.65
	2.31
Elwood Mead Photographs	6.85
Oiled-silk cord	1.00
26 Jno. C. Parker Typewriter cabinet. 31 W. H. Beal et al Salaries	21.85 327.20
June 1 E.J. Pullman Negative jackets Negative jackets	6.48
Calvanotype Engraving Co	. 18
R. Carter Ballantyne Pens 2 Elwood Mead Traveling expenses	1.10
Elwood Mead	$\frac{4.50}{25.00}$
Wm. Henry Code do	12.50
9 D. W. Ross Salary Salary	25.00
W. M. Reed	25.00 $25.00$
Elwood Mead do do	213.00
C. T. Johnstondo	127.80 25.00
Anna Morleydo	25.00
Geo. L. Swendsen do	25.00
A. M. Allen	25.00 25.00
Elwood Mead	25.00
C. T. Jordan	5.00 28.00
13   Woodruff Manufacturing Co Portfolio cases	28.00
Fred A. Schmidt Brushes	40 80
C. T. Jordan   do	28.29 5.74 67.20
Stationery supplies	5.74
W. Gilcrest Weights	2.50
W. M. Gilcrest Weights Elwood Mead Making register Arthur Goss Analysis Rio Grande River	100.00
16 Arthur Goss Analysis Rio Grande River	100.00
S. A. McHenry water. Services	10.00
C. T. Jordan do J. C. Nagle Analysis Wichita and Brazos	10.00 100.00
C. T. Jordan do Analysis Wichita and Brazos	100.00
rivers water. E. E. Slosson Analysis Laramie River water.	50.00
20 Wyoming Capital Commission Office rent	30.00
J. E. Stimson Prints	6.80
22 The Arp & Hammond Hardware Co Drill cutters, etc	7.00
E. E. Slosson Analysis Laramie River water.  Wyoming Capital Commission Office rent J. E. Stimson Prints  The Arp & Hammond Hardware Co Drill cutters, etc Julien P. Friez Ink Elwood Mead Traveling expenses	7.00 7.20 103.35
20	37.30
24 Fred A. Schmidt Ruling pens, etc	2.97
26 Clarence T. Johnston Traveling expenses Rule	11.10
W Irving Sarvices	12.75 $25.00$
W. Irving         Services           28 Elwood Mead         Expressage           29 J. P. Cooke & Co         Printing materials	13, 65
28         Elwood Mead         Expressage           29         J. P. Cooke & Co         Printing materials           30         Ray P. Teele et al         Salaries	7.90
30 Ray P. Teele et al Salaries	201.05
Total fourth quarter 3,	759.06
Supplemental,	
July 1 W. & L. E. Gurley Water register	600.00
Water register   Water register   Compared   Compared	2. 54 100. 00
J. A. Breckons Article on water rights.  6 Elwood Mead Traveling expenses	16.30
Jas. B. Lambie Hatchet	16.30
8 Elwood Mead Salary Salary	. 40 206. 00
W. & L. E. Gurrey   Water register	123.60 25.00
Anna Morieydo	25.00 25.00
Clarence T. Johnston do do M. R. Johnston do M. R. Johnston do Geo. L. Swendsen do	25.00
	25.00

## IRRIGATION INFORMATION—Continued.

Date.	Name.	Nature of payment.	Total.
1006	Supplemental—Continued.		
1899.	H.S. Tullis	Colomy	800
uly 8	H.S. Tullis J. R. Buckelew		\$82. 90.
11			300.
12 18	A. J. Wiley Thos. Berry		25.
18	C. T. Jordon	do	10.
	R. P. Clarke	Towels	2.
	E. J. Pullman		24.
	Fred A. Schmidt	Drawing table	43.
20	E. B. Voorhees		300
NO	W. & L. E. Gurley	Water register	28.
22	W. Irving		25
1010	W. H. Code	do	25
	E.S. Nettleton	Article on water contracts	250
	R. H. Forbes		100.
25	S. A. McHenry	Salary	10.
28	H. S. Tullis	do	19
	Percy Smith	Map frames	18
	W. & L. E. Gurley	Water register	360
	W. B. Moses & Sons	Chairs, etc	58.
ug. 2	The R. H. Smith Manufacturing Co	Rubber stamp	
5	Elwood Mead		20.
10	Amelia A. Wagner	Rain gauges	5,
11	Jno. C. Parker		21.
1.3	do	Linen paper, ruled	7
12	Elwood Mead	Expenses	29.
14	Rudolph, West & Co	Screw-driver	
10	Julien P. Friez		6.
16	Adams Express Co	Transportation	10
	Total		3,023
	10081		0,020.

#### RECAPITULATION.

First quarter	\$864,77
Second quarter	1.640.52
Third quarter	647 81
Fourth quarter	3 759 06
Supplemental	3,023,85
-,	
TI-4-1	0.000.01

#### EXPERIMENT STATIONS.

		4.65.4179	,
Date.	Name.	Nature of payment.	Total.
1898.			
July 30	A. C. True et al	Salaries	\$2,092.82
Aug. 5	W. H. Beal	Traveling expenses	25. 35
19	Z. D. Gilman	Thermometers	1.00
	A.C.True	Traveling expenses	
25	R. C. Ballantyne	Envelopes	7. 55
31	A. C. True et al	Salaries	1,986.87
Sept.12	W. E. De Reimer	Article for publication	100.00
13	Heliotype Printing Co	Plates	200.00
14	Fremont, Elkhorn and Missouri Valley R.	Plates Passenger transportation	4.21
	R.Co.		
	Burlington and Missouri River R. R. in	do	20.45
15	Nebraska.	Donation to the same of the	10.05
20	Wyckoff, Seamans & Benedict Jno. R. Galloway	Repairs to typewriter Electric fan	13.25 36.00
22	Yawman & Erbe Manufacturing Co	Pan	36.00 1.25
23	The Oregon R. R. and Navigation Co	Passangan transportation	4.20
20	Northern Pacific Rwy. Co	rassenger transportation	32.30
26	Grand Trunk Rwy Co	do	7.91
	Grand Trunk Rwy. Co	do	3.15
31	A. C. True et al	Salaries	1,946.80
	Total first quarter		6, 622. 86
Oct. 1	Mackall Bros	D1-+:	0.01
000. 1	E. Morrison Paper Co	Platinum paper	2.31 1.50
4	do	Cards	4.20
10	E. W. Allen	Traveling expenses	43.71
20	E. W. Allen	do do	4,62
			T. U.

## EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 21 24	E. W. Allen Georgia Southern and Florida Rwy. Co	Traveling expenses Passenger transportation	\$62.12 6.36
4±	Union Pacific R. R. Co.	do	11.45
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	2. 44 13. 27 7. 00
28	Jno. C. Parker	Typewriter supplies	7.00
28 31	W. E. De Reimer	List periodicals	100.00
Morr 1	A. C. True et al	Salaries	2, 094, 49 62, 50
Nov. 1	Library Bureau	Binders	5.40
14	A. C. True	Traveling expenses	39.83
16 30	S. N. Meyer	Labels	5.00
90	A. C. True et al	Salaries	1: 60 2, 020. 71
Dec. 8	Raleigh and Gaston R. R. Co	Passenger transportation	8.85 9.15
	South Carolina and Georgia R. R. Co	do	9, 15 4, 08
	Florida Central and Peninsular R. R. Co	do	5.40
	Southern Pacific Co	do	7.09 27.52
14	Baltimore and Ohio R. R. Co	do	27.52 9.60
1.1	T. R. Rilev	Wooden guides	4.00
17	C. W. Allen Georgia Southern and Florida Rwy. Co. Union Pacific R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co. Lehigh Valley R. R. Co. Jno. C. Parker W. E. De Reimer A. C. True et al. Peter Fireman Library Bureau A. C. True S. N. Meyer Library Bureau A. C. True et al. Raleigh and Gaston R. R. Co. South Carolina and Georgia R. R. Co. Florida Central and Peninsular R. R. Co. Southern Pacific Co. Baltimore and Ohio R. R. Co. Southern Rwy. Co T. R. Riley Miles Fuller	Report of convention	195.60
19	Southern Pacific Co. Baltimore and Ohio R. R. Co. Southern Rwy. Co. T. R. Riley Miles Fuller Peter Fireman Pennsylvania R. R. Co. Central of Georgia Rwy. Co. do. Central Vermont R. R. Co. New York, New Haven and Hartford	Translating Passanger transportation	60.00 11.52
13	Central of Georgia Rwy. Co	do	1.80
	do	do	1.29
	Central Vermont R. R. Co New York, New Haven and Hartford R. R. Co.	do	5. 51 5. 60
		00	5.00
	Boston and Maine R. R. Co	do	2.80
24	Maine Central R. R. Co W. E. De Reimer	Abstract from European re-	10.00 100.00
ii/#	w.E.De Reimer	ports.	100.00
31	A. C. True et al.	ports. Salaries	2,018.49
	Total second quarter		6, 976. 81
1899. Jan. 4	IInital States Evenness Co	The same and a bin me	1 10
Jan. 4	United States Express Co E. M. Tilden Pennsylvania R. R. Co Atlanta and West Point R. R. Co Charleston and Savannah Rwy. Co	Transportation Type Passenger transportation do do Traveling expenses Passenger transportation Transportation Transportation	1.10 2.40
6	Pennsylvania R. R. Co	Passenger transportation	2.40 14.14
	Atlanta and West Point R. R. Co	do	3.48 4.40
	Charteston and Savannan kwy. Co A. C. True Southern Rwy. Co. Adams Express Co. Norfolk and Western Rwy. Co. A. C. True et al J. C. Parker F. C. Kenyon. F. L. avglord		7.85
7	Southern Rwy. Co	Passenger transportation	6.30 2.25 7.80
28 30	Adams Express Co	Transportation	7.25
31	A.C. True et al	Salaries	1,942.15
Feb. 1	J. C. Parker	Memorandum books	1.50 103.33
6 10	F. C. Kenyon	Article on fooding horses	103.33
20	F. W. Woll	Translating	72.50
28	A. C. True et al	Salaries	1,981.53 7.90
Mar. 1	E Wollny	Passenger transportation	100.00
7	F. C. Kenyon E. Lavalard F. W. Woll A. C. True et al Baltimore and Ohio R. R. Co. E. Wollny Library Bureau P. Fireman Woodward & Lothrop Yawman & Erbe Manufacturing Co. W. B. Moses & Sons United States Express Co. B. C. Flournoy Jas. J. Deck	Passenger transportation Transportation Passenger transportation Salaries Memorandum books Salary Article on feeding horses Translating Salaries Passenger transportation Article on soils Index cards Abstract of report Jars Files	4.80
9	P. Fireman	Abstract of report	· 100.00
11 14	Woodward & Lothrop	Jars	2. 00
17	W. B. Moses & Sons	Files Chair and rack Transportation Drawings	6.40
17 22 25 27 31	United States Express Co	Transportation	3 05
25 27	Jas J Deck	Translating	20.00 30.00
31	Jas. J. Deck A. C. True et al	Translating Salaries	2,200.55
	Total third quarter		6,725.63
Apr. 3		Tynogriter	
Apr. o	Jno, C. Parker	Typewriter Typewriter supplies	87.75 6.10 17.75 1.25
4	Walter H. Evans	Traveling expenses	17.75
10 15	E. Morrison Paper Co	Memorandum books	1.25
18	E. Morrison Paper Co	Paper	4.90 7.92
	Wyckoff, Seamans & Benedict	Mats	8.00 12.25
25	Pennsylvania R. R. Co.	Typewriter Typewriter supplies Traveling expenses Memorandum books Binding cases Paper Mats Passenger transportation do	12. 25 12. 25
	J. R. Buckelew Jno, C. Parker Walter H. Evans E. Morrison Paper Co. The Office and Library Co. E. Morrison Paper Co. Wyckoff, Seamans & Benedict Pennsylvania R. R. Co. New York, New Haven and Hartford R. R. Co. A. C. True et al.	u0	
29 Mars 1	A. C. True et al W. C. Newton & Co	Salaries	2, 292. 35
May 1	w. C. Newton & Co	Electro	1.25

## EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.	-		
May 1	R. Carter Ballantyne W. B. Moses & Sons E. J. Pullman Library Bureau C. F. Langworthy Peter Fireman A. C. True et al E. Morrison Paper Co	Pens	\$2.30 10.25
11 17	W.B. Moses & Sons	Furniture Photo supplies	10.25 42.50
11	Library Bureau	Cards	1.60
23 24	C. F. Langworthy	Traveling expenses	4.50
24	Peter Fireman	Translation Salaries	27.50
June 1	A. C. True et al	Salaries     Driers	2,245.10
June 1	L. Morrison Faper Codo	Files	4.00 3.00
	W.S. Jenks	Presses	1.50
2	A. C. True	Traveling expenses	131.99
	H. P. Nielsen Chas. H. Robinson	Salary	150.00 202.20
6	H. P. Nielsen	do	75.00
	Chas. H. Robinson	do	102.20
13	A. B. Seymour	Boxes	3.00
	C. Becker Houghton & Delano	Platcholder	2.60 3.00
23	Georgia Southern and Florida Rwy. Co	Passenger transportation	3.21
	Atchison, Topeka and Santa Fé Rwy. Co.	do	$\frac{3.21}{17.12}$
2.	Georgia Southern and Florida Rwy. Co Atchison, Topeka and Santa Fé Rwy. Co Illinois Central R. R. Co.	Passenger transportation do do Transportation	8.75
24 27	Adams Express Co	Transportation Passenger transportation	. 25
21	Adams Express Co Southern Ry. Co South Carolina and Georgia R. R. Co	do	$8.57 \\ 4.25$
	Galveston, Harrisburg and San Antonio	do	6.30
	Rwy. Co.		
	Raleigh and Augusta Air Line R. R. Co	do	$\frac{3.45}{2.20}$
	Southern Pacific Co. Atlanta and West Point R. R. Co. Pennsylvania R. R. Co	do	13.85
	Atlanta and West Point R. R. Co	do	3.48
	Pennsylvania R. R. Co	do	9.65 11.80
	Central of Georgia Rwy. Co	do	11.80
	Charleston and Savannah Rwy Co	do	3.87 9.55
	Houston and Texas Central Rwy. Co	do	2.85
28	Anna M. Park	Translating	13.25
29	Peter Fireman	do	22.50
29	Harris & Shafer Co	Clock Labels	13. 25 22. 50 7. 59 7. 75
30	S. N. Meyer A. C. True et al	Salaries	2,338.50
	Total fourth quarter		7, 962. 75
	Supplemental.		
July 1	F. W. Woll	Translating	36.67
6	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	18.70
	Southern Rwy Co	do	4.75
10	H. P. Nielsen	Salary	75.00
	H. P. Nielsen C. H. Robison E. J. Pullman	do	98.90
11	do do	Photographic supplies	23.30 4.80
12	United States Express Co	Photographic supplies	$\frac{4.80}{1.25}$
12 17	Peter Fireman	Translating	50.00
19	W.B. Moses & Sons	Matting, etc	14.79
28	A C True	Traveling expenses	12.90 29.15
Aug. 2	The Springfield Envelope Co	Envelopes	1.76
	United States Express Co. Peter Fireman W. B. Moses & Sons C. F. Langworthy A. C. True The Springfield Envelope Co. Yawman & Erbe Manufacturing Co. Pennsylvania R. R. Co Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. St. Louis and San Francisco R. R. Co. Santa Fé Pacific R. R. Co.	Pan for roller copies, etc	9.25
3	Pennsylvania R. R. Co	Passenger transportation	159.00
	Louis Bury Co.	do	18.05
	St. Louis and San Francisco R. R. Co	do	15.86
	Santa Fé Pacific R. R. Co	do	32.60
	T31 17 19 10 130 0	do	32.60 17.90
	Florida East Coast Rwy. Co	do	
	Terre Haute and Indiana R. R. Co.	do	11.00
	Florida East Coast Rwy. Co Terre Haute and Indiana R. R. Co Santa Fé, Prescott and Phœnix Rwy. Co Nashville, Chattangoga and St. Louis Rwy.	do	11.80
	Santa Fé Pacific R. R. Co Florida East Coast Rwy. Co Terre Haute and Indiana R. R. Co. Santa Fé, Prescott and Phœnix Rwy. Co. Nashville, Chattanooga and St. Louis Rwy. Co.		11.80 8.60
7	C. B. Smith		11. 80 8. 60 115. 40
7 11 12	C. B. Smith	Salary File cabinet	11.80 8.60 115.40 56.50
7 11 12 14	C.B. Smith Jno. C. Parker The White, Corbin & Co. L. E. C. Collière	Salary File cabinet Envelopes Translating	11.80 8.60 115.40 56.50 13.90
12 14	C. B. Smith Jno. C. Parker The White, Corbin & Co. L. E. C. Collière Z. D. Gilman	Salary File cabinet Envelopes Translating	11.80 8.60 115.40 56.50 13.90 40.00
7 11 12 14	C. B. Smith Jno. C. Parker The White, Corbin & Co. L. E. C. Collière Z. D. Gilman	Salary File cabinet Envelopes Translating	11.80 8.60 115.40 56.50 13.90 40.00 .20 125.07
12 14	C. B. Smith Jno. C. Parker The White. Corbin & Co. L. E. C. Collière Z. D. Gilman E. W. Allen Adams Epress Co.	Salary File cabinet Envelopes Translating Roach paste Traveling expenses Transportation	11.80 8.60 115.40 56.50 13.90 40.00 .20 125.07
12 14	C. B. Smith Jno. C. Parker The White, Corbin & Co. L. E. C. Collière Z. D. Gilman	Salary File cabinet Envelopes Translating Roach paste Traveling expenses Transportation	11.80 8.60 115.40 56.50 13.90

## EXPERIMENT STATIONS—Continued.

Name.	Nature of payment.	Total.
$Supplemental-{ m Continued.}$		
Nashville, Chattanooga and St. Louis Rwy.	Passenger transportationdo	\$11.65 9.90
Atchison, Topeka and Santa Fé Rwy, Co	do	6.17 2.38 1.57
R. R. Co. Union Pacific R. R. Co.	do	20.50
Oregon Short Line R. R. Co	do do do	17. 55 35. 80 1. 65
Nebraska. Illinois Central R. R. Co	do Envelopes	3.83
Adams Express Codo	Transportationdo	30
Southern Pacific Co	Passenger transportation	19. 70 3. 75
, and the second		1,207.07
	Supplemental—Continued.  Oregon R. R. and Navigation Co Nashville, Chattanooga and St. Louis Rwy. Co. Atchison, Topeka and Santa Fé Rwy. Co Wabash R. R. Co. Fremont, Elkhorn and Missouri Valley R. R. Co. Union Pacific R. R. Co	Supplemental—Continued.  Oregon R. R. and Navigation Co

#### RECAPITULATION.

First quarter. Second quarter Third quarter Fourth quarter South quarter	\$6,622,86
Second quarter	6, 976, 81
Third quarter	6, 725, 63
Fourth quarter	7, 962, 75
Supplemental	1,207.07
Total	29, 495. 12

#### RESOURCES OF ALASKA.

Date.	Name.	Nature of payment.	Total.
1898. July 21 Aug. 4  12  Sept. 2 3 10 30	S. Jackson C. C. Georgeson W. H. Evans W. P. Mills, agent do W. A. Kelly N. E. Beckwith C. R. Adams C. C. Georgeson W. H. Evans Chas. Gies Geo. A. Howe	Botanical specimens Salarydo Office rent Rope, etc. Servicesdo Tent Salarydo Labor Services	210.60 151.60 10.00 4.80 10.00 110.00 210.60 151.60 55.50
Oct. 1	Total first quarter	Passenger transportationdo	1,169.89 82.50 15.00 2.60
3 11 19 24 31 Nov. 1 3	do W.H. Evans C.C. Georgeson. W. H. Evans Ralph Shelley do John Tjarks Geo. A. Howe Wallis Howe. The Pacific Coast Steamship Co C.C. Georgeson W. H. Evans Alaska Commercial Co do W. P. Mills, agent Cassia Patton Joseph Clyne Emma Rhodes Ewd De Graff	Salary do	146, 80 208, 80 149, 90 38, 50 19, 00 65, 10 91, 51 97, 66 20, 00 210, 60 151, 60 45, 00 45, 00 20, 00 10, 00

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Nov. 11	C C Georgeson	Traveling expenses	\$88.50
1107.11	C. C. Georgesondodo	Expenses	51.20 31.10
	do	Office rent	23.04
30	W. P. Mills, agent George Sexton	Ranort	10.00 300.00
	Peter Raber	Lahor	5. 20 350. 60
Dec. 2	Peter Raber C. C. Georgeson et al. Alaska Commercial Co. Oregon R. R. and Navigation Co.	Salaries Passenger transportationdo Salaries	40.00
8	Oregon R. R. and Navigation Co	do	33. 53 362. 20
31	C.C. Georgeson et al	Salai les	
1899. Jan. 3	Total second quarter		2,940.69
Jan. 3	W. P. Mills, agent E. J. Pullman	Office rent	10.00
*	Alaska Commercial Co	Passenger transportation	97.50
6	A. H. Solberg Cincinnati, Hamilton and Dayton Rwy. Co.	Cleaning land Passenger transportation	50.00 16.00
27	C. C. Georgeson Adams Express Co	Traveling expenses	6.65
27 28 30	Pacific Coast Steamship Co	Transportation Passenger transportation	36. 20 60. 00
	Northern Pacific Rwy, Co	do	50.00
31	W. P. Mills, agent C. C. Georgeson et al	Rent, office	10.00 370.30
Feb. 7 24	E. J. Pullman Library Bureau	Photographic supplies	3. 24 22. 00
	C. C. Georgeson	File case Traveling expenses	13.30
25 28	C. R. Edmondson R. P. Clarke	Lamps Towels	12.30 7.65
	C. C. Georgeson Pennsylvania R. R. Co	Salary	194.40
Mar. 1	Pennsylvania R. R. Co	Passenger transportation	8.00 53.30
9	S. L. Allen & Co. E. Morrison Paper Co.	Drill hoe, etc	1.65
14 17	W. P. Miller, agent W. B. Moses & Sons	Office rent Letter-press stand	10.00 9.00
	The Tribune Association	Advertising	4. 40 12. 70 5. 75
22	Library Bureau	Copying press	5.75
31	E. Morrison Faper Co. W. P. Miller, agent W. B. Moses & Sons The Tribune Association C. C. Georgeson Library Bureau J. S. Woodhouse C. C. Georgeson et al	Copying press Agricultural implements Salaries	451.06 258.30
	Total third quarter		1,774.00
April 3	Jno. C. Parker	Tags	. 80
10	Jno. C. Parker E. Morrison Paper Co- Standard Furniture Co-	Drvers	6.00
11 12	Mackall Bros	Desk and chairs Soap	25.00 6.00
14	C. C. Georgeson H. P. Nielsen	Traveling expenses	48. 32 37. 75
15	H. F. Neisen E. J. Bowen Lilly, Bogardus & Co. W. P. Mills, agent Merchants & Co. Chas. H. Robison	Seeds	22. 15 42. 31
	W. P. Mills, agent	FeedOffice rent	42.31 10.00
100	Merchants & Co	Oxen.	285.00
17 18	Conrad Becker	Traveling expense	19.50 3.90
22	Conrad Becker Wyckoff, Seamans & Benedict J. S. Woodhouse	Strand	4.50 392.00
	do	Stump pullers, carts, etc	10.00
24 25	Robt. Gair Baltimore & Ohio R. R. Co	Seed bags Passenger transportation	1.45 10.00
	Wisconsin Central R. R. Co	Passenger transportation	29.00
May 28	McSorley & Henderson C. C. Georgeson	Harness, blankets, etc	34.65 247.25
17	C. C. Georgeson Chas. D. Wood Jno. C. Parker	Seeds	4.95
June 2	R. Albertstone	Cotton-seed bags Board and lodging for men	8.72 25.62
	Jens Andersen	Labor	50.00
	Seattle Hardware Co Rohlfs & Schoder	Coal Hotbed sashes	3. 00 24. 00
	W. P. Mills, agent. Baltimore & Ohio R. R. Co.	Office rent	10.00 88.25 14.00
	Northern Pacific Rwy Co	do	14.00
- 6	Pacific Coast Steamship Co. C. C. Georgeson	do Salary Traveling expenses	108.00 255.50
	do	Traveling expenses	13.46
	Steamer Perry	Office expenses, etc	102.15 30.00
16	Geo, A. Hill	Transportation Services, May, 1899 Services, April, 1899	50.00 25.00
20	do Post-Intelligencer Publishing Co	Advertising	4.75 9.03
23	Edward de Graff, agent	Office rent	9.03

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\bf Cont'd.}$

### RESOURCES OF ALASKA-Continued.

Date	Name.	Nature of payment.	Total.
	Steamer Perry	Expenses Traveling expenses Report on grasses	\$10.00 10.00 6.00 169.72 13.25 40.00 2,310.98
1	5 Ryland Becker. 6 The Skagruay News Lilly, Bogardus & Co. 7 C.C. Georgeson 5 Edward de Graff W. P. Mills, agent do Puget Sound Nursery and Seed Co. Pacific Steam Whaling Co. 7 Pacific Coast Steamship Co.	Advertising Seeds Salary Office rent Nails, lumber, etc Office rent Garden plants Transportation Passenger transportation	15.00 4.55 20.45 247.25 20.00 23.79 10.00 7.75 93.80 16.00
3	Alaska Commercial Co C. Georgeson W. S. Jenks Yawman & Erbe Manufacturing Co Carl Spuhn Adams Express Co Alaska Commercial Co O Pacific Coast Steamship Co Jens Andersen	Fertilizer Transportation do do do do Labor	72.50 11.00 2.25 2.00 12.50 52.00 167.75 5.75 5.00 50.00
Sept.	Geo. A. Hill W. R. Wait Chas. H. Robison R. Albertstone Pacific Coast Steamship Co	do do do Traveling expenses Rent, land Transportation	50.00 50.00 3.00 20.05 8.75 212.30 4.73 90.00
Oct. I Nov.		Passenger transportation	13.80 8.30 44.50 1,345.17

### RECAPITULATION.

First quarter	\$1,169,89
First quarter Second quarter	2,940.69
Third quarter	1, 774, 00
Fourth quarter Supplemental	2,310.98
Supplemental	1,345.17
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### NUTRITION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 3 16 31 Sept. 2 14 17 30	C. F. Langworthy W. O. Atwater et al C. D. Woods O. L. Blakeslee C. F. Langworthy C. D. Woods F. G. Benedict et al W. O. Atwater Pennsylvania R. R. Co C. F. Langworthydo Total, first quarter	Salaries Salary Salary Salary do Pay roll, Middletown Salary Passenger transportation Traveling expenses Salary	665. 30 84. 20 300. 00 134. 80 84. 20 446. 20 126. 40

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. NUTRITION INVESTIGATIONS—Continued.

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Date.	Name.	Nature of payment.	Total.
1898. Oct. 7		G.1	2100.00
Oct. 7	W. O. Atwater C. D. Wood F. G. Benedict et al Weston Electrical Instrument Co	Salary	\$122.20 81.60
	F. G. Benedict et al	doPay roll, Middletown Instruments	509.82
19	Weston Electrical Instrument Co	Instruments.	125.00
31	Weston Electrical Instrument Co. C. F. Langworthy W. O. Atwater et al C. D. Woods. C. F. Langworthy C. D. Woods. W. O. Atwater et al H. C. Sherman C. F. Langworthy	Salary Pay roll, Middletown	134.80
Nov. 2	C.D. Woods	Salary	665. 00 84. 20
30	C. F. Langworthy	Salarydo	84.20 130.40
Dec. 3	C.D. Woods	Pay roll, Middletown Traveling expenses Salary	81.60
15	W.O. Atwater et al	Pay roll, Middletown	631. 42
15 31	C. F. Langworthy	Salary	15.15 134.80
	Total, second quarter		2,715.99
1899.			
Jan. 3	H.S. Grindley	Traveling expenses	85.35
Jan. 3	H. S. Grindley Chas D. Woods W. O. Atwater et al W. O. Atwater A. T. Simmons H. C. Sherman	Salary	84.20
10	W.O. Atwater et al	Pay roll. Middletown	481.60
12 25	W.O. Atwater	Expenses	93. 90 60. 00
12 25 31	H. C. Sherman	Expenses	151.00
	do	Traveling expenses	54 70
Elek C	H. C. Sherman do do C. F. Langworthy W. O. Atwater et al C. D. Woods W. C. Blasdale Mary H. Abel do O. L. Blakeslee	Salary Pay roll, Middleton, Conn.	137. 80 835. 70 86. 10
Feb. 2	W.O. Atwater et al.	Salary	86.10
6	W. C. Blasdale	Salary Investigation, Chinese food	50,00
8	Mary H. Abel	Traveling expenses	2.70 2.70
10	do	do	2.70
10	O. L. Blakeslee	Construction of a bomb calorimeter.	300.00
	Rich. Hening H. C. Sherman W. O. Atwater C. E. Wait H. E. Wells R. D. Milner Harry M. Burr P. B. Hawk C. D. Woods C. F. Langworthy H. M. Burr W. O. Atwater et al W. O. Atwater do	Calorimeter accessories	215.00
16	H. C. Sherman	Expenses	20.84
	W.O. Atwater	Traveling expenses Article on digestion Traveling expenses	14.00
20	U.E. Wait	Article on digestion	300.00 30.60
	R. D. Milner	do	17.30
21 24 28	Harry M. Burr	Expenses	2.60 32.35 77.80
24	P. B. Hawk	Traveling expenses	32.35
28	C.D. Woods	Traveling expenses Salary	77.80 124.40
Mar. 1	H. M. Burr	Traveling expenses	31.95
Mar. 1	W. O. Atwater et al	Pay roll, Middleton, Conn	804.40 11.50
10	W.O. Atwater	Traveling expenses	11.50
17	W O Atwator ot al	Traveling expenses Pay roll, Middleton, Conn. Traveling expenses Expenses Traveling expenses Salary	28. 61 120. 65
24 31	W.O. Atwater et al C. F. Langworthy	Salary	137.80
			4, 395. 55
A 1	Total, third quarter	~ .	
Apr. 1	Chas. D. Woods	Salary Pay roll, Middletown, Conn Traveling expenses	86.10
9	Mary H. Abel	Traveling expenses	2.70
12	M. O. Atwater et al Mary H. Abel Chas. D. Woods Francis G. Benedict et al Chas. D. Woods Francis G. Benedict et al Prancis G. Benedict et al Chas. D. Woods	Salary Pay roll, Middletown, April Salary Pay roll, Middletown, May Analysis, etc.	888.60 2.70 82.40
June 6	Francis G. Benedict et al.	Pay roll, Middletown, April	696, 47
8	Unas. D. Woods	Salary	85.20 753.30
16	Harry Snyder	Analysis, etc.	753, 30 500, 00
22	Harry Snyder F. E. Singleton W. O. Atwater C. E. Wait H. S. Grindley	Expenses	52.20
	W.O. Atwater	Expenses Services Digestion experiments do	52.20 127.80
	U. E. Wait	Digestion experiments	450.00
		uo	500.00
	Total, fourth quarter		4, 224. 77
	Supplemental.		
July 7	W. O. Atwater	Traveling expenses	11.98
,	W.O. Atwater et al.	Traveling expenses	861.80
00	W. O. Atwater W. O. Atwater et al. C. D. Woods.	Services Repairs to apparatus	82.40 100.00
Aug. 9		Repairs to apparatus	100.00
Aug. 9	Adams Express Co	Transportation	61. 81 1. 35
Sept. 1	W.O. Atwater	Expenses	8.24
	W.O. Atwater Adams Express Co W.O. Atwater Chas. D. Woods	Salary Transportation Expenses Traveling expenses	19.45
	Total		1,147.03
			1,1100

# 70 expenditures in the department of agriculture.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	2,715.99 4,395.55 4,224.77
Total	14, 616, 34

## PUBLIC ROAD INQUIRIES.

Date.	Name.	Nature of payment.	Total.
Date.	Hame.	wature of payment.	
1898. July 18	F.C. Haurican	Travaling avnances	Ø19 90
July 10	E. G. Harrison at al	Soloriae	\$13.39 421.10
Aug. 26	M O Eldridge	Traveling expenses	3 57
30	Martin Dodge	do	3.57 7.75
	E. G. Harrison E. G. Harrison et al M. O. Eldridge Martin Dodge	do	5. 41
31	Martin Dodge et al	Salaries	520.37
Sept.30	do	do	301.60
	Total, first quarter		1,273.19
Oct. 3	E. G. Harrison	Salary	146.80
4.0	do	Traveling expenses	19.90
19	do	do	
31	do Martin Dodge et al	Salary	151.60 311.70
Nov. 1	Cambria Iron Co	Salaries	409 49
Nov. 1	Martin Dodge	Material for steel roadway Traveling expenses	492.48 119.84
14	E G Harrison	do	11.30
30	Martin Dodge E. G. Harrison Martin Dodge et al	Salaries	301.60
Dec. 3		Traveling expenses	65.75
	E.G. Harrison	Salary	146.80
8	Chicago and Northwestern Rwy. Co	Passenger transportation	21.80
	E. G. Harrison Chicago and Northwestern Rwy. Co Baltimore and Ohio R. R. Co	Passenger transportationdo	21.80 17.90
16	Martin Dodge Pennsylvania R. R. Co	Traveling expensesdo	4.90
19	Pennsylvania R. R. Co	do	6.34
31	Martin Dodge etc	Salaries	311.70
	Total, second quarter		2, 176. 41
1899. Jan. 3		· ·	
Jan. 3	M.O. Eldridge	Traveling expenses	24, 55
4	M. O. Eldridge E. J. Pullman		3.81
5	E. G. Harrison	Salary	44 09
6	E. J. Pullman E. G. Harrison Pennsylvania R. R. Co Erie R. R. Co E. G. Harrison do Martin Dodge do	Passenger transportationdo	8.00
	Erie R. R. Co	do	11.00
18 19	E. G. Harrison	Traveling expenses	16.85
19	Montin Dodge	Salary Traveling expenses	00.00
24 28	Martin Douge	Expenses	69.41 15.00
20		Expenses Travel	14. 15
30	Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Louisville and Nashville R. R. Co	Passenger transportation	7.81
	Baltimore and Ohio R. R. Co	do	14.00
	Louisville and Nashville R. R. Co	Salaries	5.77
31	Martin Dodge et al Erie R. R. Co	Salaries	318.60
Feb. 1	Erie R. R. Co	Passenger transportation	11.00
11 28	E. G. Harrison Delaware, Lackawanna and Western R. R.	Traveling expenses	10.30
28	Co.	Passenger transportation	10.10
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. E. G. Harrison	do	11.05
	Rwy. Co.	G 1	140.00
	E. G. Harrison	Salary Salaries	140.00
Mar. 1	Poltimore and Ohio P. P. Cla	Salaries	287.80 11.00
mar. 1	Roy Stone et al Baltimore and Ohio R. R. Co Pennsylvania R. R. Co	Passenger transportation	10.00
9	Roy Stone	Traveling expenses	10.00 27.44 14.00
16	Roy Stone Chesapeake and Ohio R. R. Co Baltimore and Ohio R. R. Co	Passenger transportation	14.00
25 31	Baltimore and Ohio R. R. Co	do	11.00
31	Roy Stone et al	do Traveling expenses Passenger transportation do Salaries	103.30
	Total third quarter		1,264.96
Apr. 1	E. G. Harrison	Salary Traveling expensesdodo	155.00
	do	Traveling expenses	33.11
7	do	do	42.16
13	M. O. Eldridge	Calaura	3, 15 215, 30
14 19	F C Harrison	Salary Traveling expenses Passenger transportation	215. 50 16. 45
25 25	Pennsylvania R. R. Co	Passanger transportation	11. 08
20	Missouri Pacific Rwy, Co	do	9.50
	M. O. Eldridge Roy Stone E. G. Harrison Pennsylvania R. R. Co Missouri Pacific Rwy. Co. Yazoo and Mississippi Valley R. R. Co.	do	4.35

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. PUBLIC ROAD INQUIRIES—Continued.

		* /	
Date.	Name.	Nature of payment.	Total.
1899.	Taria-illa and Maskailla D. D. Ca	Degran control on an artation	614 65
Apr. 25	Louisville and Nashville R. R. Codo		\$14.65 13.82
29	Roy Stone et al	Salaries	304.90
May 2	E. G. Harrisondo	Salary Traveling expenses	148.30 22.60
16	M. O. Eldridge	do	15.50
29 31	E. G. Harrison	do	12.08 50.00
91	Blanche E. Darby		315.20
June 2	Louisville and Nashville R. R. Co	Passenger transportation	8.68
	Chicago, Milwaukee and St. Paul Rwy. Co. Chicago and Northwestern Rwy. Co	do	4.57 10.26
3	Roy Stone	Traveling expenses	19.50
9	E. G. Harrison	Salary	153. 40
13 14	A.P. McElroy M.O. Eldridge		6.47
28	do	do	26.63
30	Roy Stone et al	Salaries	354.40
	Total fourth quarter		1,971.56
	Supplemental.		
July 8	E.G. Harrison	Traveling expenses	16, 64
	do	Salary	148.30
18	Roy Stonedo		12.50 9.85
Aug. 3	The Chesapeake and Ohio Rwy, Co	Passenger transportation	4.80
o o	Louisville, Evansville and St. Louis R. R. Co	do	4.96
14	Louisville and Nashville R. R. Co	Traveling expenses	$\begin{array}{c} 2.45 \\ 45.01 \end{array}$
Nov. 6	The Cleveland, Cincinnati, Chicago and St.	Passenger transportation	16.00
	Louis Rwy. Co.		
	Total		260. 51
	RECAPITULATI		** ***
First qua	arter(uarter		\$1,273.19 2,176.14
Third qu	iarter		1, 264. 96
Fourth o	uarter		. 1,971.56
Supplem	ental		260.51

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#### [Appropriation made immediately available March 28, 1898.]

Date.	Name.	Nature of payment.	Total.
June 8 10 16 28 30	E. G. Harrison  do  do  do  do  Chas. T. Harrison  E. G. Harrison  do  Total	do Salary Traveling expenses do do do Salary	16.48 2.05 7.17 9.10

#### PUBLICATIONS-FARMERS' BULLETINS.

1898. July 30 Aug. 31 Sept. 30	C. H. Greathouse et al. do do	Salariesdo	\$294.80 354.80 383.20
	Total first quarter	6	

### PUBLICATIONS-FARMERS' BULLETINS-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Oct. 31 Nov. 9 30 Dec. 31	C. H. Greathouse et al.  The White, Corbin & Co. C. H. Greathouse et al.  do  Total second quarter.	Envelopes Salaries do	\$395, 90 136, 78 383, 20 395, 90 1, 311, 78
1899. Jan. 31 Feb. 28 Mar. 31	C. H. Greathouse et aldododo	Salaries do do do	404.70 365.60 404.70 1,175.00
Apr. 4 29 May 13 31 June 27 30	C.T. Curtiss C. H. Greathouse et al. Martin Dodge C. H. Greathouse et al. S. M. Tracy C. H. Greathouse et al.	Article on mutton Salaries Salary Salaries Bulletin on hogs Salaries	200.00 313.30 150.00 323.60 160.00 313.20
	Total fourth quarter		1,460.00

#### RECAPITULATION.

First quarter	\$1,032.80
First quarter. Second quarter	1.311.78
Third quarter	1.175.00
Fourth quarter	1, 460, 00
Total	5,979.58

### PUBLICATIONS-FARMERS' BULLETINS SENT TO THE TREASURY.

Date.	Name.	Nature of payment.	Total.
1898. Sept. 19 Oct. 25 Dec. 3 1899. Mar. 11 May 24 Aug. 14	The Public Printer	do d	\$2,866.28 342.90 2,139.69 1,138.10 2,062.28 2,883.39 3,174.06 3,982.46 2,336.17 1,551.45 2,471.71 288.55 1,759.72 2,177.77
	Total		29, 957. 49

### PUBLICATIONS-ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.

1898. July 30 Aug. 23 31 Sept. 2 7 13 15 22 26 30	H. S. Walter et al. The Maurice Joyce Engraving Co. H. S. Walter et al. E. Morrison Paper Co. Library Bureau L. J. Stern. Fred A. Schmidt Library Bureau The Randolph Paper Box Co. Ralph Shorrock L. S. Williams et al. Total first quarter	Salaries Manila envelopes Tin trays Satchel Paper Cards Boxes Photos on wood Salaries	2,000.62 158.00 19.85 2.18 3.15 2.25 9.00

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. PUBLICATIONS—ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 3	The White, Corbin & Co	Envelopes	\$8.55
	R. Shorrock J. P. Nawrath M. Feigel & Bro	Envelopes	.87
17	J. P. Nawrath	Twine	61.25
24		Cloth-lined envelopes	7.55
	L. S. Williams et al T. R. Riley	Twine Gum arabic Cloth-lined envelopes Manila paper Salaries Tags Engravings Drawings Electros	138.60 7.55 30.00
31	L. S. Williams et al	Salaries	2,073.60 32.50
Nov. 1	H.C. Jones	Enguavings	4. 00
9	A. H. Baldwin	Drawings	50.00
16	The Maurice Joyce Engraving Co	Electros	2.06 1,938.60
Dec. 30	H. S. Walter et al.	Electros Salaries Artists' material Tracing paper Drawings Engravings do Cut of signature Thread	
Dec. 2	Easton & Rupp	Tracing paper	32.04 2.00
	A. H. Baldwin	Drawings	40.15
5	H. C. Jones	Engravings	12.92
8	The Mannier Layer Engaging Co	Cut of signature	12.09 .50
21	R. P. Clarke	Thread	10.20
21 22	H. C. Jones. A. H. Baldwin The Maurice Joyce Engraving Co. H. S. Walter et al Fred A. Schmidt Easton & Rupp A. H. Baldwin H. C. Jones do The Maurice Joyce Engraving Co. R. P. Clarke R. Shorrock do	Thread Photos on wood	10.92
	do W.C. Newton & Co	do	8.12
99	W. C. Newton & Co	Electros	1.50 1.30
23 31	A. H. Baldwin H. S. Walter et al	Drawings Salaries	1.996.20
	Total second quarter		6, 475. 52
1899.			
Jan. 3	The Springfield Envelope Co	Manila envelopes	980.00
	do	do	280.00
19	do	Dhotos on wood	2,000.00
20	R. Shorrock Fred. A. Schmidt	Photos on wood Artists' materials	9.00 25.46
20 24	R. Sherrock	Photos on wood	25. 46 27. 00
	Hebert Wells	Ink and paper	5.36
Feb. 1	B. Showeek	Salaries Photos on wood	5. 36 2, 222. 10 2. 40
	Fred. A Schmidt  R. Shcrrock  R. Shcrrock  Hebert Wells  H. S. Walter et al  R. Shorrock  The Lovejoy Co  Harry C. Jones  W. C. Newton & Co  The Maurice Joyce Engraving Co  H. S. Walter et al  H. C. Jones  W. C. Newton & Co  Fred. A. Schmidt  Electro-Tint Engraving Co  H. C. Jones  -do  -red. A. Schmidt	Electro	35
24 25 28	Harry C. Jones	Electro Engraving Electros Electro	. 35 9.89
25	W. C. Newton & Co	Electros.	1.90
28	The Maurice Joyce Engraving Co	Salaries	2, 254. 40
Mar. 7	H. C. Jones	Engravings	1.00
-9	W. C. Newton & Co	Engravings Electros	. 90
15 17	Fred. A. Schmidt	Blue-print paper Engraving	1.50
20	H. C. Jones	Engraving	5.30 3.10
	do	do	2.91
0.	Fred. A. Schmidt	Artists' materials Engraving	24.61
25	H. C. Jones	Engraving Electros	3.00
31	H. C. Jones W. C. Newton & Co H. S. Walter et al	Salary	5.85 2,270.80
	Total third quarter		10,137.05
Apr. 6	H. C. Jones	Engraving	6.00
11	The White, Corbin & Co	Envelopes	201.49
12	Fred. A. Schmidt	Envelopes Paints	1.49
18	The Maurice Joyce Engraving Co	Engraving Photo on wood Tracing cloth Cup and plates Engraving	4.36
10	Fred. A. Schmidt	Tracing cloth	3.83 6.21
	Ernest Bets	Cup and plates	2.04
27	The Maurice Joyce Engraving Co	Engraving.	6.24
29	R Shorrock	Brushes	12.16 59.07
NO	Reading Paper Mills	Brushes Photos on wood Paper	150.00
3.5	L.S. Williams et al	Salaries	2,325.87
May 11 20	The Maurice Joyce Engraving Co	Engraving	. 76
31	L.S. Williams et al	Salaries Engraving Manila paper Salaries	15.00 2,281.20
June 1	Fred. A. Schmidt	Paint.	. 60
13 24	Library Bureau	Index cards	.60 23.40
24	Fred. A. Schmidt	Artists' supplies	10.24
30	L.S. Williams et al	Index cards Artists' supplies Electros Salaries	1.50 1,866.06
1	Total third quarter  H. C. Jones The White, Corbin & Co. Fred. A. Schmidt The Maurice Joyce Engraving Co. R. Shorrock Fred. A. Schmidt Ernest Bets. The Maurice Joyce Engraving Co. Hugh Reilly R. Shorrock Reading Paper Mills L. S. Williams et al The Maurice Joyce Engraving Co. Jno. C. Parker L. S. Williams et al Fred. A. Schmidt Library Bureau Fred. A. Schmidt W. C. Newton & Co. L. S. Williams et al Total fourth quarter.		
	Total fourth quarter		6,977.52

# 74 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

### RECAPITULATION.

First quarter         \$6           Second quarter         6           Third quarter         10           Fourth quarter         6	$   \begin{array}{r}     475.52 \\     137.05   \end{array} $
Total 99	826 55

### PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	B. J. Whittleton et al	Salaries	\$1, 193. 98
July 30 Aug. 16	T. W. Wood & Sons	Salaries Seeds	5.30
J	R. J. Whittleton et al T. W. Wood & Sons Peter Henderson & Co	Seeds (velvet beans)	1.00
0.4	E. A. Wilson	Seeds (velvet beans)	340.00
24	The Henry Phillipps Seed and Implement	Seeds	30.45
31	Co. R. J. Whittleton et al	Salaries	1,513.67
Sept. 14	Raleigh and Augusta Air Line R. R. Co Georgia and Alabama Rwy. Co Jno. C. Parker Herman Knapp. R. J. Whittleton et al	Salaries	7.30
	Georgia and Alabama Rwy. Co	do	6.48
15	Jno. C. Parker	doSeed bagsWheatSalaries	30.03
21 30	Herman Knapp	Wheat	100.00
90	a. J. whitheron et al	Salaries	1,657.41
	Total first quarter		4,885.62
Oct. 3	W. A. Manda	Bulbs	136.00
6	Peter Henderson & Co	Seeds	2.06
	Stockton & Heth	Wheat	12.50
	J. W. Stillwell	do	19.25
	J. W. Stillwell Texas Seed and Floral Co The Henry Phillipps Seed and Implement	Turnip seed	24.50 48.44
	Co.	Turnip seed	45.44
	Co. T. W. Wood & Sons R. J. Whittleton et al Polman-Mooy	Rice	7.65
31	R. J. Whittleton et al.	Salaries	1 480 93
Nov. 1	Polman-Mooy The Randolph Paper Box Co Jno. C. Parker T. R. Mitchell	Bulbs Boxes Tags and bags	2,237.90 127.20
э	Ino C Parker	Tage and hage	20.52
16	T. R. Mitchell	Labels	19 25
21	Alex Schmid	Boxes	84.00 1,000.00
22 30	J. F. Lester	Cotton seed	1,000.00
Dec. 1	J. F. Lester R. J. Whittleton et al W. F. Allen, jr	Salaries.	1,634.60 255.00
Dec. 1	W.F. Allen, Jr	Grass sood	245.00
5	H. A. Salzer T. W. Wood & Sons Peter Henderson & Co	Strawberry plants Grass seed Sugar corn	1.50
	Peter Henderson & Co	Grass seed Freight and drayage Transportation Scale and weights	18.40
10	The Geo. W. Knox Express Co. Peoples Dispatch Co. The Henry Phillipps Seed and Implement	Freight and drayage	72.00
$\frac{14}{20}$	Peoples Dispatch Co	Transportation	120.31 14.00
20	Co.	Scale and weights	14.00
	The Livingston Seed Co	Sugar corn	15.00
31	R. J. Whittleton et al	Salaries	1,714.63
	Total accord aventar		9,310.64
- 1	Total second quarter		9,510.04
1899.			
Jan. 4	United States Express Co	Transportation	7.25
ا ہ	Geo. W. Knox Express Co.	Sacks	20.31
5 31	R. J. Whittleton et al	Sacks	20.31 17.75 2,017.74
Feb. 1	Geo. W. Knox Express Co P. H. Heiskell, jr R. J. Whittleton et al Adams Express Co W. A. Cook L. C. Cook	SalariesTransportation	12.50
4	W. A. Cook	Cotton seed	12.50 200.00
6	Jno. C. Parker J. M. Thorburn & Co	Cotton seed Cotton-seed bags	17.47
8 23	J. M. Thorburn & Co	Seeds	14.13
20	dodo	do	105.00 30.32
	do	do	10.50
	Peter Henderson & Co R. J. Whittleton et al New York Market Gardeners' Association T. W. Wood & Sons	do	32.50
Mar. 1	R. J. Whittleton et al.	Salaries	2, 186. 18
Mar. 1	New York Market Gardeners' Association.	Salaries Vegetable seeds Seeds	5,279.55
2	do	do	32.50 2,186.18 5,279.55 23.65 13.30
9	do Adams Express Co.	Transportation	15.28
	do	do	15.28 11.80
	New York Market Gardeners' Association.	Vegetable, tobacco, and grass	5, 692.23
14	T. S. Hubbard Co	seeds.	393.00
14 17	T. S. Hubbard Co. J. M. Thorburn & Co.	Seeds	168.00
	do	do	64.00
	do	do	18.00
	do	Grass good	$2.50 \\ 25.15$
1	1. 11. 11 OOU OO DOUL	UI ass seed	20. 10

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS-Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 17	New York Market Gardeners' Association The Livingston Seed Co Jno. C. Parker R. J. Whittleton et al	Seeds	\$7,128.
0"	The Livingston Seed Co	Pools and tags	5. 7.
25 31	R. J. Whittleton et al	do	2,397.
- 51			
	Total third quarter		25, 916.
pr. 1	Jno. C. Parker New York Market Gardeners' Association do	Seed bags	20. 7,531. 11,746. 53. 8,827. 1.
11	New York Market Gardeners Association	Seedsdo	11 746
15	Mary J. Marr et al New York Market Gardeners' Association The Livingston Seed Co	Services	53.
17	New York Market Gardeners' Association.	Seeds	8,827.
18	The Livingston Seed Co	Way paper	1. 14.
22	T. W. Wood & Son	Seeds	4.
29	The LiVingston Seed Co Fred. A. Schmidt T. W. Wood & Son. R. J. Whittleton et al New York Market Gardeners' Association. Aug. Rölker & Sons. Willett & Gray.	Corn Wax paper Seeds Salaries	2,986.
Iay 2	New York Market Gardeners' Association	Seeds Sugar-beet seeddodo	11,501.
8	Willett & Grav	do do	975. 896.
	M. Knauer	do	495.
10 20	M. Knauer New York Market Gardeners' Association A. C. Nellis	Seeds	495. 3, 437.
20	A. C. Neilis	Sacks	36.
	new York Market Gardeners' Association.	Seeds	36. 2,912.
	do		1, 192. 2, 609.
31	R. J. Whittleton et al	Salaries Seeds	2,609.
ine 6 13	Library Rureau	Cards	100.
10	GO R. J. Whittleton et al J. H. Shepard, director Library Bureau Z. D. Gilman Fred. A. Schmidt Louis J. Kessel	Cards Copper sulphate Wax paper Kegs	22. 1.
	Fred. A. Schmidt	Wax paper	9.
	Louis J. Kessel	Kegs   Oil	4.
	Standard Oil Co. Rudolph, West & Co J. M. Thorburn & Co. do. W. Atlee Burpee B. von Herff Henry J. Green Standard	Screen etc	45.
	J. M. Thorburn & Co.	Screen, etc	10.
	do	do	4.
	R von Herff	Granovines	14. 19.
	Henry J. Green	Thermometer	7.
	Stephenson's Express Rivoire, Pere & Fils Vilmorin, Andriuex & Co		7. 10.
20	Kivoire, Pere & Fils	Seeas	5.
ĺ	F. C. Heinemann	do	2. 2.
	The Livingston Seed Co	Corn	1.
21	A. K. Miller & Co.	Freight, etc., on plants	38. 550.
21 23 24 29	Adams Express Co	Transportation	990. 4
29	Blue Line Transfer Co	do	4. 7.
	The Geo. W. Knox Express Co	Freight	14. 2.
30	Vilmorin, Andriuex & Co F. C. Heinemann The Livingston Seed Co A. K. Miller & Co New York Market Gardeners' Association Adams Express Co Blue Line Transfer Co The Geo. W. Knox Express Codo B. J. Whittleton et al.	GO Corn Freight, etc., on plants Seeds Transportationdo Freight .do Salaries	2, 460.
	Total fourth quarter		58, 614.
	_		50,011.
	Supplemental.		
ıly 1	Vilmorin Andrieux & Co  do  do  do  Mage & Schmidt  Wilh Pfitzer  W. & C. Gowie  Jas. Veitch & Sons, Limited  C. Platz & Son  Jas. Carter & Co  Thos. S. Ware, Limited  Gebr. Rober  T. W. Wood & Son  J. M. Thorburn & Co  Thos. R. Riley  S. A. Knapp  United States Express Co  do  do  do	Seeds	79.
	do	do	44. 121.
	do	do	54.
	Haage & Schmidt	do	54. 3.
	W.& C. Gowie	do	1. 1.
	Jas. Veitch & Sons, Limited	do	10.
	C. Platz & Son	do	1. 12.
1	Thos S Ware Limited	do	12.
	Gebr. Rober	do	4. 85.
	T. W. Wood & Son	do	8.
5	J. M. Thorburn & Co	do	5
6	S. A. Knapp	Expenses	813
12	United States Express Co	Transportation	16. 813. 27. 35.
	do	do	35.
	do	do do	13. 19.
	do	do	1.
22 28	do B. von Herff Jno. R. Thayer do do do	do	1.
28	Jno. K. Thayer	Expenses	39. 198.
		do	198.

### PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS-Continued.

Date.	Name.	Nature of payment.	Total.
1899. July 29 Aug. 8 11 16 Sept. 6 15 20 25 Oct. 5 Nov. 6	Supplemental—Continued.  Library Bureau Will W. Tracy, jr Jno. C. Parker Adams Express Co Dammann & Co A. A. Denton A. J. Pieters Blue Line Transfer Co The Geo. W. Knox Express Co United States Express Co United States Express Co Atchison, Topeka and Santa Fé Rwy. Co. New York Market Gardeners' Association do Adam Express Co	Traveling expenses Shipping tags Transportation Seeds, etc Services Traveling expenses Transportation Freight and drayage Transportationdo Seeds Final payment for seeds Transportation do Passenger transportation do Passenger transportationdo	6, 895. 50 7, 15
	RECAPITULA	TION.	
Fourth	arter quarter uarter quarter nental		. 58, 614. 96

### FOREIGN SEED AND PLANT INTRODUCTION.

Date.	Name.	Nature of payment.	Total.
1898.			401.00
July 11	M. A. Carleton	Traveling expenses	\$31.30 350.00
4 04	D. G. Fairchild et al	Salaries	420.20
Aug. 24	E. J. Brooks & Co. Thos. Cook & Son.	Numbering machine	8.40 122.50
	do	dodo	66. 59 30. 01
25	A. J. McKee & Co	Forceps	1.65
Sept. 2	D. G. Fairchild et al	Salaries Salary	340.20 367.00
7	W. T. Swingle Bausch & Lomb Optical Co	Forceps	1.17
13	Robert Gair Thomas Cook & Son	Seed pockets	9, 18 10, 25
14	M. A. Carleton	Salary	350.60
15	Pennsylvania R. R. Co	Passenger transportation Typewriter	. 6.50 92.25
16 30	Jno. C. Parker	Seed bags	158.31 329.60
90	D. G. Fairchild et al.	Salaries	
	Total first quarter		2,695.11
Oct. 3	W. T. Swingle	Salary	367.00
	M. A. Carleton S. A. Knapp	dodo	350.00 350.00
4	Wm. A. Taylor	Traveling expenses	67.02
4	Southern Řwy. Co Thos. Binnix	Passenger transportation Ventilator	23.35 11.25
8	Thos. W. Smith	Lumber	7.84 7.50
14	Standard Oil Co E. Morrison Paper Co	Oil	. 75
18	Melville Lindsay Henry J. Green	Hose Thermometers	2.00 9.45
20	E. M. Tilden	Type, ink	5.00
22 24	F. P. May & Co Pennsylvania R. R. Co	Wire cloth Passenger transportation	10.80 11.55
7.	Florida Central and Peninsular R. R. Co	do	9.10
	Georgia Southern and Florida Rwy. Co	do	4.65 1.05

	FOREIGN SEED AND PLANT INTRODUCTION—Continued.				
Date.	Name.	Nature of payment.	Total.		
1898. Oct. 25	G. C. Matthams	Pineapples Passenger transportation	\$5.00 2.64		
Nov. 1	D. G. Fairchild et al R. P. Clarke S. A. Knapp	Salaries Muslin and cotton Salary	340. 20 2. 57 350. 00		
3	W. T. Swingle Louis Van Houtte, sr Kanawha Dispatch B. F. Stevens	Hazlenut plants Transportation do	367.00 10.03 6.76 2.33		
12 16 22	M. A. Carleton Rudolph, West & Co Yawman and Erbe Manufacturing Co	Salary Weatherstrips Card-index cabinet	350.00 .72 130.32		
Dec. 30	D. G. Fairchild et al Fredck. Carl E. S. Schmid M. A. Carleton	Salaries	476.34 2.50 4.50 350.00		
14 19	S. A. Knapp W. T. Swingle Western Union Telegraph Co	do do Telegraph service	350.00 367.00 4.52 7.55		
21 31	Oceanic Steamship Co Vilmorin, Andrieux & Co O. F. Cook et al	Artichokes	13.83 340.20		
1899.	Total second quarter		4,722.32		
Jan. 3	W. T. Swingle D. G. Fairchild S. A. Knapp	do	367.00 168.50 350.00		
4 10 12	M. A. Carleton Thos. Cook & Son J. R. Buckelew Barber & Ross		350.00 22.35 99.00 3.06		
16 19	The Geo. W. Knox Express Co	Transportation Binders' board	32. 94 2. 00 5. 00		
21 30	A. E. Outerbridge & Co Chesapeake and Ohio Rwy Co Geo. S. Baker	Passenger transportationdoTransporting pineapples	64.00 77.00 1.60		
Feb. 31	O. F. Cook et al M. A. Carleton D. G. Fairchild W. T. Swingle	Salarydo	347. 90 350. 00 172. 20 367. 00		
	W. T. Swingle Vilmorin, Andrieux & Cododo	Grapevines Grapevines, almonds, and figs	220.78 129.88 66.16		
28	do. M. T. Kains M. A. Carleton O. F. Cook et al	Plants Traveling expenses Salary Salaries	149. 26 57. 91 350. 00 314. 20		
Mar. 1	D. G. Fairchild W. T. Swingle S. A. Knapp Library Bureau	Salarydo	155.60 367.00 700.00		
7 9	Library Bureau R. Carter Ballantyne	Library Bureau cards	11.40		

L.P. Stebold
Chas. R. Edmonston
Jars
E. Morrison Paper Co
Binders' boards
E. J. Pullman
Photograph supplies
W. T. Swingle
O.F. Cook et al
Salaries
Salaries
Salary
Salary

O. F. Cook et al Salaries
M. A. Carleton Salary

----do Salary, April
Maurice G. Kains Traveling expenses

Total third quarter....

Envelopes
Expenses in Russia
Custom-house entry

Passenger transportation .....

Transportation, plants

Photograph supplies

Plowing, etc ....

Salaries Plowing, etc Work on flats

Salary, March

Salary, April Salary, March

Telegraph service....

Salary .....

 $\frac{2.70}{97.49}$ 

3.00 7.15 2.50 16.93

29.43 409.90

150.00

2.49

64.00 169.35

200.10

58.50

42.00 542.20 60.00

92.00 367.00

367.00172.20

164.80 76.10

6,020.84

9

14

14

do.

Apr. 1

May 11

R. Carter Ballantyne
M. A. Carleton

L. P. Siebold

Western Union Telegraph Co.....

Western Charles relegiable Co C. W. Moss S. A. Knapp Wm. M. Reardon

Wm. M. Keardon
Henry H. Brown
T. D. Chapman
O. F. Cook et al
T. D. Chapman
F. V. Coville
Walter T. Swingle

D. G. Fairchild

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1899. May 27 29 31	M. A. Carleton T. D. Chapman O. F. Cook et al.	Traveling expenses	\$92.47 57.00 483.02
June 1 3 9 13	P. Mann & Co. Fredk, V. Coville Walter T. Swingle Jas. B. Lambie P. Mann & Co.	Hinges, etc Services and material Salary Axes, hoes, etc Harrow and roller	3.05 8.55 367.00 7.56 44.00
27 30	Rudolph, West & Co Central R. R. Co. of New Jersey O. F. Cook et al Total fourth quarter	Shovels Passenger tra sportation Salaries	2. 01 6. 50 392. 20 3, 841. 10
7 1	Supplemental.		
July 1 3 5	Thos. Cook & Son P. H. Carson Thos. Cook & Son J. R. Buckelew Church & Stephenson do	Passenger transportation Plowing Passenger transportation Typewriter Lumber do	144. 20 40. 25 27. 98 90. 00 34. 04 47. 25
6 20	Thos. Cook & Son  do E. H. Mulder Jas. B. Lambie I. P. Roosa	Passenger transportationdodo	18.38 95.41 75.00 .60 3.00
Aug. 28 Sept. 6 20	Walter T. Swingle P. H. Heiskell, jr., & Co Thos. Cook & Son United States Express Co	Salary Corn planter, plow, etc. Passenger transportation Transportation	367.00 22.28 24.26 43.30
	Total		1,032.95
	RECAPITULATI	ON.	
Second of Third qu Fourth	arter narter iarter quarter ental		4,722.32 6,020.84 3,841.10

#### INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

	INVESTIGATING TRODUCTION OF DOMESTIC SUGAN.				
Date.	Name.	Nature of payment.	Total.		
1898. Aug. 2 11 Sept. 3 13 14 15 21 22 23 26	Chas. F. Saylor	Traveling expenses Expenses Salary Envelopes Traveling expenses Expenses Passenger transportationdodododo Chemicals Labordo	1.75 225.00 8.55 .91.62 .50 8.77 4.41 51.80 17.00 16.00 10.26 1.00 6.30 32.26 229.03 3.30 14.70 11.88 5.60 3.50		

## INVESTIGATING PRODUCTION OF DOMESTIC SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 3	Eimer & Amend The White, Corbin & Co John Schultzbach P, Mann & Co Chas, F, Saylor do G. E. Patrick J. B. Shanks Claude E. Walter E H. Williams T. A. Stockstill	Tubes, etc	\$10.10
	The White, Corbin & Co	Envelopes	9.00 84.00 7.25
4	P. Mann & Co	Grater	7.25
12	Chas. F. Saylor	Salary Traveling expenses Expenses	225.00
	do	Traveling expenses	125. 17 1. 85
19	G. E. Patrick	Traveling expenses	58.15
	J. B. Shanks	Traveling expenses Hauling cane Services	11.46
	Claude E. Walter	Services	7.00 24.94
	T. A. Stockstill	do	10.70
	T. A. Stockstill J. A. Allen J. B. Stockstill A. A. Denton	do	1.86
	J. B. Stockstill	do	33.60
	A. A. Denton Jas. Hellings J. M. Hellings E. L. Calvin Pennsylvania R. R. Co Chicago and Northwestern Rwy. Co Union Pacific R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co The Chicago, Burlington and Quincy R. R.	do	85.00 6.35
	J. M. Hellings	do	25. 13
04	E. L. Calvin	do	75.00
24	Chicago and Northwestern Rwy Co	Passenger transportation	34.35 5.12
	Union Pacific R. R. Co.	do	5. 12 13. 35
	Chicago, Milwaukee and St. Paul Rwy. Co-	do	3.48
	The Chicago, Burlington and Quincy R. R. Co.	do	5.80
	Chicago, St. Paul, Minneapolis and Omaha	do	17.60
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Chas. F. Saylor		
Nov. 7	Chas. F. Saylor	Salary Tin cups Services	225.00
8	Jos. Mathy Frank Simpson Chas. F. Saylor Barber & Ross Z. D. Gilman G. E. Patrick	Services	6.00 8.40
14	Chas. F. Saylor	Traveling expenses Scales Filters	102.05
16	Barber & Ross	Scales	3.50
22	G. E. Patrick	Traveling expenses	45.00 59.75
Dec. 1	A. A. Denton	Salary	33.33 225.00
2	Chas. F. Saylor	Traveling expenses Salarydo	225.00
5	Bemis Bros Bag Co	Bage	9.75 6.42
Ů	Geo. Mawson	Sorghum cane	14.09
	A. A. Denton Chas. F. Saylor J. M. Hellings Bemis Bros. Bag Co Geo. Mawson H. H. Case Chase Hardware Co. J. R. Young Drug Co G. E. Patrick do	Services Bags Sorghum cane. Laboratory fittings do do do do	8. 15 14. 57
	J R Voung Drug Co	00	6.20
7	G. E. Patrick	Expenses	6.78
	do	do	5.94
8	do Flint and Pere Marquette R. R. Co Chas. F. Saylor do	Passenger transportation	3. 75 7. 17
12	Chas. F. Saylor	Traveling expenses	148.02
10	do	Expenses	1.90
19	Pennsylvania R. R. Co Grand Trunk Rwy. System	do - do - do - Passenger transportation - Traveling expenses - Expenses - Passenger transportation - do	6, 50 7, 97
	Grand Trunk itwy. System		1.01
	Total second quarter		1,836.50
1899.		1	
	C. F. Saylor	Salary	225.00
5	C. F. Saylor  do  do  do:	Salary Traveling expenses Expenses	81.60
6	Chicago and Great Western Ruy Co	Expenses Passenger transportation Services Traveling expenses Transportation Salary Transportation Passenger transportation Salary Rept laboratory	33.00 8.50
12	J.O. Hahn	Services.	8.50 10.00
	H. W. Wiley	Traveling expenses	24.70 7.59
16	C. F. Saylor	Transportation	7. 59 108. 87
28 30	Adams Express Co	Transportation	2.10
30	Lehigh Valley R. R. Co	Passenger transportation	2.10 3.45
Feb. 1	T I Rost	Salary	21.00
2000 1	Southern California Rwy. Co	Rent laboratory Passenger transportation  do Way manila paper	41. 31 5. 00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	8.34
2 3	Chicago and Great Western Prov. Ca	Wax manila paper	25. 90 60. 90
9	Chicago and Great Western Rwy. Co United States Express Co	Transportation	3.90
00	do	Wax manila paper Passenger transportation Transportation do Dassenger transportation	4.00
28	Atchison, Topeka and Santa Fé Rwy. Co	Passenger transportation	33.80
Mar. 1	Chas. F. Saylor		122.60 341.13
	Pennsylvania R. R. Co.	Passenger transportation	341. 13 6. 50 79. 96
13	Chas. F. Saylor	Passenger transportation Traveling expensesdo	79.96
1	do Atchison, Topeka and Santa Fé Rwy. Co Maud S. Chamberlin et al Chas. F. Saylor Pennsylvania R. R. Co. Chas. F. Saylor do do do		71.08
	do The Geo. W. Knox Express Co	do Transportation	3.00 26.40
14			16.87

### INVESTIGATING PRODUCTION OF DOMESTIC SUGAR-Continued.

Date.	Name.	Nature of payment.	Total.
1899. Mar. 16 31	Pennsylvania Co Maud S. Chamberlin et al Total third quarter.		\$17.50 132.20 1,526.20
Apr. 1 12 24 25	Jno. C. Parker Chas. F. Saylor do Pennsylvania R. R. Co	Tags Traveling expenses Salary Expenses Passenger transportation	
May 8 16 22	Mand S, Chamberlin et al May Strandes Chas. F. Saylor Chas. F. Saylor	Salaries Sugar-beet seed Salary Traveling expenses	127.00 800.00 225.00 59.40
June 16 20	Jno. C. Parker M. S. Chamberlin et al Chas. F. Saylor Blue Line Transfer Co.	Tags Salaries Salary Transportation	8, 00 131, 50 225, 00 65, 85
. 24	do M. S. Chamberlin et al Total fourth quarter	do	1. 40 131. 12 2, 132. 02
July 6	Supplemental.  Chas. F. Saylordo	Traveling expenses, May Expenses, May	77.95 6.45
Aug. 3	do Des Moines Northern and Western R.R. Co. Chas. F. Saylor	Salary, June Traveling expenses, June Passenger transportation Expenses Passenger transportation	225. 00 104. 12 2. 50 2. 85
Sept. 6 Oct. 18	The Atchison, Topeka and Santa Fé Rwy. Co. Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Adams Express Co.	do	6. 15 3. 80 2. 45
000. 10	Adam's Express Co. The Geo. W. Knox Express Co. Total.		434.04
	RECAPITULA		
Second q	arter uarter uarter uarter		1,836.50 1,526.20

First quarter Second quarter 1	\$849.26
Second quarter1	.836.50
Tuiro quarter	. 020. 20
Fourth quarter 2	. 132. 02
Supplemental	434.04
Total6	,778.02

### BUREAU OF ANIMAL INDUSTRY.

Date.	Name.	Nature of payment.	Total.
1898.			
July 7	De Witt Goodrich	Butter	\$201.33
18	Hovey, Clark & Co	do	218.67
19	Geo. E. Howard	Services	72.58
21	The B-R Electric Co.	Electric fans	96.00
	J. B. Graham		22.25
	C. F. Dawson		2.30
23	Photo Chromotype Engraving Co	Illustrating bulletin	17, 90
	E. B. Woodward	Butter	240, 66
	Iowa Agricultural College		200.64
	Kny Scheerer Co		36.00
25	Spencer Lens Co	do	8.10
***	E. L. Willson & Co	Repairing pump	7.50
26	Arthur R. Wake	Traveling expenses	11.68
30	Geo. F. Thompson et al	Salaries	1,222.04
Aug. 3	Geo. E. Howard	Services	77.42
7-1-8-	Jno. P. Turner	do	65, 22
4	Morris Wooden et al		1,767.25
	W. H. Rose et al	do	976.90
	Fredk. Braginton et al		178, 50
	Julius Huelsen et al	do	621.40
	A. G. G. Richardson et al		789.30

	Name.	Nature of payment.	Т
4	Edw. P. Dowd et al	Salaries	
	H. A. Hedrick et al	do	
	Wm. M. Balmer et al	do	
5	E.P. Schaffter et al	dodo Traveling expenses Butter Supplies Butter do	
الا	Geo. E. Howard. Hamburg-American Line J. S. Harley Hoard's Creameries	Butter	
1	J.S. Harley	Supplies	
	Hoard's Creameries	Butter	
	The Photo Chromotype Engraving Co	do	
.	The Photo Chromotype Engraving Co	Supplies	
3	Archibald McBride et al	Salaries	
- (	Chas. A. Schauffer et al.	do	
	Lewis R. Baker et al	00	
	Albort Doop et al	do	
П	W S Cass et al	do	
П	R. W. Hickman et al	do	1
П	C. L. Morin	Services	•
и	H. P. Armsby	do	
Ш	F. W. Huntington	do	
1	C. M. Day	do	
П	Tooie A. Geddes	do	
١	H. B. Davidson	Rent of land	
П	W. M. Galt & Co	Oats	
	Wyckoff, Seamans & Benedict	Repairs to typewriter	
	J. R. Buckelew	Typewriter, etc	
)	W. D. Robbins et al.	Salaries	
И	Char Warns et al	00	
П	Coo C Faville et al	do	
-1	Ino R Mohlar at al	do	
1	Wm Thompson et al	do	
	F. L. De Wolf et al	do	
	A. E. Behnke et al	do	1 1 2 2
П	S. Stewart et al	do	1
1	Don C. Ayer et al	do	5
Н	Saml. E. Bennett et al	do	Ę
1	Arthur B. Morse	Services	
	J. J. Summerfield	do	
	S.J. Murray	do	
	D D Staddom	00	
	Geo A Rond	do	
	Thos A Bray	do	
	Frank C. Eells	do	
	W. E. Hill	do	
	Wm. D. Jorden	do	
	Dan McCunningham	do	
- 1	P. H. Mullowney	do	
	F. T. Shannon	do	
	Chas. H. Blemer	do	
	A. M. Adams	do	
	The Photo Chromotype Engraving Co- Archibald McBride et al Chas. A. Schauffer et al Lewis R. Baker et al T. A. Shipley et al Albert Dean et al W. S. Cass et al R. W. Hickman et al C. L. Morin. H. P. Armsby F. W. Huntington C. M. Day Tooie A. Geddes H. B. Davidson W. M. Galt & Co Wyckoff, Seamans & Benedict J. R. Buckelew Wyckoff, Seamans & Benedict J. R. Buckelew W. D. Robbins et al Lowel Clarke et al Chas. Keane et al Geo. C. Faville et al Jno. R. Mohler et al Wm. Thompson et al F. L. De Wolf et al A. E. Behnke et al S. Stewart et al S. Stewart et al S. Stewart et al J. J. Summerfield S. J. Murray Jno. A. Kiernan R. P. Steddom Geo. A. Bond Thos. A. Bray Frank C. Eells W. E. Hill Wm. D. Jorden Dan McCunningham P. H. Mullowney F. T. Shannon Chas. H. Blemer A. M. Adams L. J. Allen W. N. D. Bird Dennison Mannfacturing Co Kny Scheerer Co Thos. J. Turner et al J.J. Brougham et al Ben. Baker United States Electric Lighting Co Thos. W. Oshel et al F. N. Heck et al E. N. Hutchinson et al W. H. Gibbs et al E. N. Hutchinson et al W. R. A Heck et al E. N. Hutchinson et al W. R. Allen W. N. Oshel et al F. L. Solvening et al E. M. Hutchinson et al E. N. Hutchinson et al E. M. Hutchinson et	do	
	Dennison Manufacturing Co	Tags	
	Kny Scheerer Co	Supplies	
.	Thos. J. Turner et al	Salaries	1 1 1 3
	J. J. Brougham et al.	do	î
	Jno. Forbes et al.	do	1
1	E. Balzer	do	6
:	H. B. Davidson	Green feed	
	W.S. Devoe et al	Salaries	7
	Benj. S. Paddock	do	
1	Will. H. Baker	Electric comment	1
	Thos W Oshol et al	Calarias	
	Thos Castor et al	do	7
1	W. H. Gibbs et al	do	
1	E. N. Hutchinson et al	do	
I	Wm. A. Heck et al	do	
1	S. L. Brooking et al.	do	1
1	Jno. McBirney et al	do	
١	Ira K. Atherton et al	do	
	Thos. Castor et al. W. H. Gibbs et al E. N. Hutchinson et al Wm. A. Heck et al S. L. Brooking et al Jno. McBirney et al Ira K. Atherton et al Geo. Ditewiget al Joshna Miller et al John P. O'Leary et al O. B. Hess et al Geo. S Baker et al H. N. Waller et al A. J. Payne et al	do	
	Joshua Miller et al	do	1
	John P. O'Leary et al	do	1
	O. B. Hess et al	do	
	Geo. S. Baker et al	do	
	H. N. Waller et al	do	
100		do.	

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 13	N. C. Sorensen et al	Salaries	\$330.12
	A.J. Murray	Services	25.00
	A. J. Murray Chas H. Stevens Geo. A. Bond J. J. Summerfield	Traveling expenses	25. 00 117. 90 37. 50 7. 60
	J. J. Summerfield	do	7.60
	W. N. D. Bird J. C. Keely Chas. M. Day D. R. Way Wm. C. Honan Geo. S. Baker Geo. E. Howard N. P. Hinkley et al W. H. Wray F. M. Hunter A. R. Wake O. B. Hess Chas. Cowie F. L. Russell G. W. Ward J. F. Ryder	do	15. 50
	Chas. M. Day	do	11. 10 9. 40
	D. R. Way	do	50.08
	Wm. C. Honan	do	21.59
15	Geo E Howard	Services	14. 60 72. 58 822. 62
15 16	N. P. Hinkley et al	Salaries	822.62
	W. H. Wray	Services	387. 50 84. 20 84. 78
	F. M. Hunter	do	84.20
	O. B. Hess	do	19. 02
	Chas. Cowie	do	10.00
	F. L. Russell	do	64.00
	J. F. Rudon	do	15.00 141.30
	J. F. Ryder W. H. Wray O. B. Hess. J. E. Kiernan	Traveling expenses	26.37
	O. B. Hess	do	26.37 16.00
	J. E. Kiernan	do	14.05
	J. E. Kiernan  Geo. C. Moser  F. L. Russell  G. W. Ward  Geo. Carter  J. C. Collahan  J. M. Turner  W. E. Stoner  Bani Howe	00 do	26.75 32.65 1.80
	G. W. Ward	do	1.80
	Geo. Carter	do	2.87 1.92
	J. C. Collahan	do	1.92
	W E Stoner	do	4.35 3.95
	Benj. Howes	do	5, 25
	C. L. Morin	do	3.45 30.50
	J. F. Kyder	Enoight on button	30. 50 94. 91
	E. B. Woodward	Butter	24. 21 143. 40
	Schwarzchild & Sulzberger Co	do	13. 31 722. 20 27. 00
	Hovey, Clark & Co	do	722.20
	W. E. Stoner Benj. Howes C. L. Morin J. F. Ryder Pennsylvania R. R. Co E. B. Woodward Schwarzchild & Sulzberger Co. Hovey, Clark & Co Einer & Amend Albert Lea Dairy Association Cornish, Curtis & Greene Manufacturing Co Jno. A. Bell F. M. Perry	Supplies	658. 46
	Cornish, Curtis & Greene Manufacturing Co	Butter boxes	658. 46 49. 50
17	Jno. A. Bell F. M. Perry Jas. Irwin N. B. Ashbey Don C. Ayer Julius Huelsen Chas. Cowie W. S. Cass Albert E. Behnke. O. B. Hess W. H. Rose W. S. Cass Jno. A. Bell Chas. H. Blemer	Services	16.00
	Ise Inwin	do	88.00 84.20
	N. B. Ashbey	do	200.00
	Don C. Ayer	Office expenses	1.85 3.25
	Julius Huelsen	do	3.25 .50
	W. S. Cass	do	5.65
	Albert E. Behnke	do	5 00
	O. B. Hess	do	1.50
	W. H. KOSE W. S. Case	Traveling expenses	10.40
	Jno. A. Bell	do	5.80 3.32 92.13 55.19 61.33
	Jno. A. Bell Chas. H. Blemer R. P. Steddom Dan McCunningham Jno. McBirney P. H. Mullowney F. T. Shannon Jos. S. Keane. W. D. Loydon	do	92.13
	R. P. Steddom	do	55. 19
18	Jno. McRirney	do	63.01
	P. H. Mullowney	do	. 63.01 24.40 16.50
	F. T. Shannon	do	16.50
	Jos. S. Keane W. D. Jorden Boyd Baldwin F. M. Perry Chas. A. Schaufler J. J. Brougham L. A. Robinson	do	9.70
	Boyd Baldwin	do	59. 45 15. 75 30. 70
	F. M. Perry	do	30.70
	Chas. A. Schaufler	Office expenses	6.00
	I. A Robinson	Traveling expenses	8.18 1.75
	O. J. Lanigan	Hire horse	15.00
	O. J. Lanigan Jno. Forbes Jas. W. Davis Armour Packing House Hamburg-American Line Waters Pierce Oil Co The J. C. Ergood Co Great Falls ice Co. South Omaha Ice Co C. F. Bierbaum & Bro J. W. Bush W. A. Griswold Frank D. Stalnaken	do do Office expenses do Traveling expenses. Hire horse Hire horse and buggy do Services Freight, Dairy Division Dynamo oil Soap	15.00
	Armour Packing House	Services	20.46
	Hamburg-American Line	Freight, Dairy Division	16. 00 20. 46 20. 02
	Waters Pierce Oil Co	Dynamo oil	700.00 7.67
	The J. C. Ergood Co	Soap	7.67
	Great Falls ice Co	do	21 54
	C. F. Bierbaum & Bro	Icedo Gold-lettered sign	2. 25 4. 00 7. 20
	J. W. Bush	Leather straps	7.20
		Soap Water cooler	3.50

Date.	Name.	Nature of payment.
898.		
1g. 18	Rand, McNally & Co Frontier Laundry Frank C. Eells	Ink, etc Washing towels Traveling expenses do Gas Supplies Hire horse Feed for animals
	Frontier Laundry	Washing towels
19	Frank C. Eells	Traveling expenses
	Frank C. Eeils Chas. H. Stevens. Washington Gas Light Co. A. Hoen & Co. W. A. Taggart W. M. Galt & Co. J. A. Turner & Co. B. H. Adems	do
	Washington Gas Light Co	Gunnling
	W A Togggont	Him horse
20	W. M. Taggart	Feed for animals
20 22	J. A. Turner & Co	Office rent
10.0	B. H. Adams Bay State Clean Towel Furnishing Co. A. G. G. Richardson Schwarzschild & Sulzberger Co. St. Louis National Stock Yards St. Joseph Stock Yards Co. Belt R. R. Stock Yards Co.	do
	Bay State Clean Towel Furnishing Co	Towel service Hire horse and buggy
	A. G. G. Richardson	Hire horse and buggy
	Schwarzschild & Sulzberger Co	Transportation Office rentdo
23	St. Louis National Stock Yards	Office rent
	St. Joseph Stock Yards Co	do
	Coo & Higher	Stroot-gar forg
	Geo. S. Hickox Nebraska Telephone Co O. B. Hess O. E. Dyson	Telephone service
	O. B. Hess	Hire horse and buggy
	O. E. Dyson	Hire saddle horse
	J. Haberle	Repairing lock boxes
	J. Haberle A. E. Behnke Cecil K. Schafer	dodo Street-car fare Telephone service Hire horse and buggy Hire saddle horse Repairing lock boxes Hire horse and buggy Traveling expenses
24	Cecil K. Schafer	Traveling expenses
	Toole A. Geddes	dodo
95	Inc. P. Gellowey	Floatria fons
25	Tooie A. Geddes. Newton B. Ashley Jno. R. Galloway Mackall Bros W. M. Galt & Co Thos. Somerville & Sons A. Wilson & Bros	Supplies
	W M Galt & Co	Oats
	Thos. Somerville & Sons	Supplies Oats Pulley Cows
	A. Wilson & Bros.	Cows.
	do	Cabbage
	E. J. Pullman	Supplies
	Wm. Lochte	Shoeing horses
07	E. J. Pullman Wm. Lochte Rudolph, West & Co A. J. Murray	Cabbage Supplies Shoeing horses Cattle chains, etc
27	A. J. Murray	Traveling expenses
	Cleary Bros New England Telephone and Telegraph Co-	Hire horses and wagon
	New York Telephone Co.	do
	Jno Wanamaker	Water cooler etc
31	D. E. Salmon	Water cooler, etc. Traveling expenses
01	Geo. F. Thompson et al	Salaries
pt. 2	Rufus P. Clarke	Salaries Towels Traveling expensesdo
_	Victor A. Norgaard	Traveling expenses
6	Toole A. Geddes	do
	New York Telephone and Telegraph Co. New York Telephone Co. Jno. Wanamaker D. E. Salmon Geo. F. Thompson et al Rufus P. Clarke Victor A. Norgaard Tooie A. Geddes W. C. Rayen	do
7	Donnigon Monufacturing Co	Services
•	Chicago Car Saal and Manufacturing Co	do.
	Library Bureau	White cards
	Yawman & Erbe Manufacturing Co	Cases for Dairy Division
	Geo. E. Howard	Services
8	Wm. M. Balmer et al	do Services Supplies
	W. C. Kayen do Dennison Manufacturing Co Chicago Car Seal and Manufacturing Co Library Bureau Yawman & Erbe Manufacturing Co Geo. E. Howard Wm. M. Balmer et al Morris Wooden et al A. G. G. Richardson et al Edw. P. Dowd et al W. H. Rose et al	do
	A. G. G. Richardson et al	do
	Edw. P. Dowd et al	do
	Albort Doop et al	do
	A.G. A. Richardson et al Edw. P. Dowdet al W. H. Rose et al Albert Dean et al C. J. Sihler F. W. Huntington J. J. Summerfield R. P. Steddom Sylvester J. Murray Dan. McCunningham Jno. A. Kiernan Jno. A. Kiernan Jno. A. Kiernan W. D. Jorden W. E. Hill Geo. A. Bond W. N. D. Bird Thos. A. Bray Abram M. Adams Chas. H. Elemer Chas. H. Stevens Edwd P. Schaffter et al	Services
	F. W. Huntington	do
	J. J. Summerfield	do
	R. P. Steddom	do
	Sylvester J. Murray	do
	Dan. McCunningham	do
	Jno. A. Kiernan	do
	Jas. C. Keely	do
	W.D. Jorden	do
	W. E. Hill	do
	W. N. D. Bind	do
	W. N. D. Bird	00
	Abram M Adams	uo
	Chas H Blomer	do
	Chas. H. Stevens Edwd. P. Schaffter et al Chas. A. Schaufler et al H. W. Waller et al Jno. Forbes et al W. A. Heck et al W. H. Gibbs et al A. J. Payne et al	do
9	Edwd. P. Schaffter et al	Salaries
	Chas, A. Schaufler et al	do
	H. W. Waller et al	do
	Jno. Forbes et al.	do
	W A Heek et al	do.
	W.A. HECK Et al	

Date.	Name.	Nature of payment.	Total.
1898.	T. A. Shippley et al. Geo. Ditewig et al. T. J. Turner et al. Chas. Keane et al. F. T. Shannon et al. W. D. Robbins et al. E. N. Hutchinson et al. H. P. Armsby Jas. Irwin P. H. Mullowney L. J. Allen A. R. Wake Chas. M. Day A. B. Morse Tooie A. Geddes do C. O. Goodpasture H. B. Davidson Archd. McBride et al. Thos. W. Oshel et al. N. C. Sorensen et al Jno. McBirney et al. Ira K. Atherton et al. Geo. C. Faville et al. H. A. Hedrick et al. Fredk. Bragington et al. H. A. Hedrick et al. Fredk. Bragington et al. N. P. Hinkley et al. Lewis R. Baker et al. S. L. Brooking et al. Jno. P. O'Leary Saml. E. Bennett. Iowa Agricultural College do Cornish, Curtis & Greene Manufacturing Co. Hoard's Creamery		
pt. 9	T. A. Shippley et al.	Salaries	\$659. 252. 1,402. 120.
Por	Geo. Ditewig et al	do	252.
	T.J. Turner et al	do	1,402
	Chas. Keane et al	do	120.
	F. T. Shannon et al	do	373.
	W.D. Robbins et al	do	132.
4.0	E. N. Hutchinson et al.	do	373. 132. 222. 84. 84.
10	H.P. Armsby	Services	84.
	Jas. Irwin		84.
	P. H. Mullowney	00 	97. 101.
	A D Wolze	do	101
	Chag M Day	do	101.
	A B Morse	do	101. 117.
	Tooie A. Geddes	do	134.
	do	do	16.
	C. O. Goodpasture	do	34. 50.
	H. B. Davidson	Rent of land	50.
	Archd. McBride et al	Salaries	611.
	Thos. W. Oshel et al	do	176.
	N. C. Sorensen et al	do	611 176 375 306
	Juo W Athenton et el	00	306
	Goo C Favillo et al	do	116
	Julius Huelsen et al	do	116 338 519 478
	H. A. Hedrick et al	do	478
	Fredk. Bragington et al	do	178 874 812 931
	W.S. Cass et al	do	874
	N. P. Hinkley et al	do	812
12	Lewis R. Baker et al	do	931
	S. L. Brooking et al	do	1,286 1,416
	Jno. P. O'Leary	do	1,416
10	Sami. E. Bennett.	D	3, 490
13	lowa Agricultural College	Butter	419
	Comich Curtic & Groone Manufacturing	Pattor horos	658 413 47
	Co.	Dutter boxes	Tr.
	Hoard's Creamery	Butter	1,108
	Hoard's Creamery E. A. de Schweinitz		90.
	do	Office expenses Passenger transportation	20 28
14	Galveston, Harrisburg and San Antonio	Passenger transportation	28.
	Rwy. Co.	, ,	10
	Chicago and North Western Kwy. Co	do	10. 135.
	Joshua Millon et al	Salaries	199.
	Goo S Rokar et al	do	569. 710
	Lowell Clarke et al	do	1, 261 1, 542 1, 833 2, 312
	A. E. Behnke et al	do	1.542
	R. W. Hickman et al	do	1,833
	Wm. H. Baker et al	do	2,312
	W. B. Niles	Services	
	Frank L. De Wolf et al	Salaries	799
	J.J. Brougham et al	do	799 1,677 796
	William Thompson of al	do	790
	Ino R. Mohler et al	do	784. 735
	A.J. Murray	Services	35
	Galveston, Harrisburg and San Antonio Rwy. Co. Chicago and North Western Rwy. Co. O. B. Hess et al. Joshua Miller et al. Geo. S. Baker et al. Lowell Clarke et al. A. E. Behnke et al. A. E. Behnke et al. Whiles. Frank L. De Wolf et al. J. J. Brougham et al. William Thompson et al. William Thompson et al. J. J. Murray. Great Northern Rwy. Co. International and Great Northern R. R. Co. Pennsylvania R. R. Co. do. Burlington and Missouri River R. R. Co. R. A. Pearson. United States Electric Lighting Co. L. R. Bredslew.	Passenger transportation	35 12 31
	International and Great Northern R. R. Co.	do	31
	Pennsylvania R. R. Co	do	. 16
	do	do	12 2 126
4.0	Burnington and Missouri River R. R. Co	do	2
15	K. A. Pearson	Traveling expenses	126
	J. R. Ruckelew	Letter namer	33
	R. P. Clarke	Towels	20
	Jno. C. Parker	Blank books, etc.	9 33 20 34
16	E. Balzer et al	Salaries	3,876
	do Burlington and Missouri River R. R. Co R. A. Pearson United States Electric Lighting Co J. R. Buckelew R. P. Clarke Jno. C. Parker E. Balzer et al Geo. E. Howard J. J. Summerfield C. L. Morin	Traveling expenses Electric current Letter paper Towels Blank books, etc. Salaries Traveling expenses do Services	3, 876. 97. 8. 32.
17	J.J. Summerfield	do	8.
	J. J. Summerfield C. L. Morin do Jno. A. Bell do E. M. Tilden Benj. Howes B. P. Wende L. A. Robinson N. K. Fegley Chas. Cowie	do Services Traveling expenses Services Traveling expenses Supplies Traveling expenses	32.
	do	Traveling expenses	3. 24.
	Jno. A. Bell	Services	24
00	To be mild	Traveling expenses	5.
20	E. M. Tilden	Trovoling ownerses	5. 2. 19.
	B P Wondo	do de la raveling expenses	19.
	I. A Robinson	do	3. 3.
	N V Foodor	do	3.

ate.	Name.	Nature of payment.	Total.
898.			
ot. 20	Chas, Cowie W. S. Devoe et al	Traveling expenses	\$0.
	W.S. Devoe et al	Salaries	7,991.
	S. Stewart	do	2,170.
	W.S. Devote at a state of the s	do Services Trayeling expenses	5, 405. 75
21	W. E. Hill Geo. C. Moser C. J. Sihler Geo. A. Bond Jas. C. Keely Wm. M. D. Bird R. P. Steddom W. S. Cass W. B. Niles Jno. E. Hart Chas. H. Stevens Chas. M. Day Geo. S. Baker Jno. McBirney T. A. Geddis Wm. C. Honan W. H. Wray	Traveling expenses	12.
~1	Geo. C. Moser	do	9.
	C. J. Sihler	do	4.
	Geo. A. Bond	do	27.
	Jas. C. Keely	do	32.
	R. P. Steddom	do	61
	W. S. Cass	do	6.
	W. B. Niles	do	8.
	Jno. E. Hart	do	2.
	Chas. H. Stevens	do	82.
	Goo S Roker	do	14.
	Jno. McBirney	do	69.
	T. A. Geddis	do	82.
	Wm. C. Honan	do	23.
	W. H. Wray	Services	387.
	E W Hunton		62.
	do F. M. Hunter J. F. Ryder Schwarzschild & Sulzberger Hovey, Clark & Co Belt R. R. Stock Yards Co Swift & Co.	Servicesdo  Transporting butter Butter Rent of office Transportation Services Butter	32
	Schwarzschild & Sulzberger	Transporting butter	69
	Hovey, Clark & Co	Butter	1,281.
	Belt R. R. Stock Yards Co	Rent of office	10.
	Swift & Co. F. L. Russell Albert Lea Dairy Association American Railway Supply Co. Chas. O. Brockway R. A. Pearson Library Bureau Eimer & Amend W. S. Cass D. R. Way	Transportation	120.
	Albort Los Doiny Association	Services	1 159
	American Railway Supply Co	Butter Tags Supplies Traveling expenses Index cards Nicotine Office expenses Traveling expenses Use horse and buggy	7, 991, 2, 170, 3, 465, 12, 9, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 14, 14, 14, 14, 15, 16, 17, 18, 18, 19, 19, 11, 11, 11, 11, 120, 120, 120, 120, 120, 120, 121, 123, 124, 125, 126, 127, 127, 128, 129, 140, 120, 121, 121, 122, 123, 124, 125, 126, 127, 127, 128, 129, 144, 129, 120, 121, 121, 122, 123, 124, 125, 126, 127, 127, 128, 129, 129, 120, 120, 121, 121, 122, 123, 124, 125, 126, 127, 127, 128, 128, 129, 120, 120, 121, 121, 122, 123, 124, 125, 126, 127, 127, 128, 128, 129, 120, 120, 121, 121, 121, 122, 123, 124, 125, 126, 127, 127, 128, 128, 129, 129, 120, 120, 120, 121, 121, 122, 123, 124, 125, 125, 126, 127, 127, 128, 128, 129, 129, 120, .
	Chas. O. Brockway	Supplies	88.
	R. A. Pearson	Traveling expenses	25.
22	Library Bureau	Index cards	3.
	Elmer & Amend	Nicotine	8.
	D R Way	Troveling expenses	60
	D. R. Way Jas. W. Davis A. E. Behnke Jno. Forbes	Use horse and buggy	16.
	A. E. Behnke	do	35.
	Jno. Forbes		15.
	O. E. Dyson	Use horse and buggy	15.
	O I Lenicon	Use norse and wagon	27.
	W. A. Taggart	do	12.
	O. E. Dyson Cleary Bros O. J. Lanigan W. A. Taggart Saml, E. Bennett	do	4.
	Geo. E. Faville A. G. G. Richardson		23.
	Geo. E. Faville	Office expenses	* 7.
99	A. G. G. Richardson	Use horse and buggy	40.
23 24	Adams Express Co. F. L. Russell New England Telephone and Telegraph	Use horse and buggy Transportation Traveling expenses Telephone service	60
~1	New England Telephone and Telegraph	Telephone service	1.1
		z orophone ser (recimination	
	B. H. Adams	Rent of office	40.
	B. H. Adams New York Telephone Co J. A. Turner Co R. H. Treacy	Telephone service	7.
	R H Treacy	Telephone service. Rent of office. Traveling expenses. Services. Traveling expenses.	12.
	do	Services	03.
	do Wm D. Jorden Dan McCunningham	Traveling expenses	77
	Dan McCunningham	do	44.
	Abram M. Adams		28.
	Chas. H. Blemer	do	28.
	J. Haberle	do Repairing lock boxes Office rent	\$0. 7,991. 2,170. 3,465. 75. 12. 92. 4. 27. 32.2 61. 66. 8. 82. 92. 93. 387. 62. 1,281. 10. 120. 1,152. 148. 88. 88. 25. 15. 15. 15. 15. 15. 15. 15. 15. 15. 1
	Duncan School Furniture Co		
	St. Louis National Stock Yards	Office rent	75.
	Nebraska Telephone Co	Telephone service	4.
26	St. Joseph Stock Yards Co  Duncan School Furniture Co St. Louis National Stock Yards Nebraska Telephone Co Pennsylvania R. R. Co	Office rent Telephone service Freight on butter	40
	Great Northern Rwy. Co Galveston, Harrisburg and San Antonio	Passenger transportation	51.
	Galveston Hamisham and Can A.	Passenger transportation	12.
	Rwy. Co.	do	58.
	Alice & Brownsville Stage Co	do	15
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	5.
	San Antonio and Aransas Pass Rwy. Co	do	8.
	Rwy. Co. Alice & Brownsville Stage Co Chicago, Milwaukee and St. Paul Rwy. Co San Antonio and Aransas Pass Rwy. Codo D. E. Salmon Wm. E. Pratt Chicago Car Seal Manufacturing Co	do	
28	Wm E Prott	Traveling expenses	99.
			101.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 28 30	Chicago Car Seal & Manufacturing Co Geo. F. Thompson et al	Car seals Salaries	\$131.2 1,293.9
	Total first quarter		134, 411. 2
Oct. 1	Rudolph, West & Co W. M. Galt & Co do	Buckets, etc	3. 9 272. 5 3. 3 2. 0
	Log D Lombio	Oats	3.3
	J.B. Lindner J. D. Gilman	Caus Lime Shoeing horse Cow Supplies do Sulphuric acid Coal Strong continues	4.0
	J. B. Lindner	Cow	25.0
	Z. D. Gilmando	Supplies	38.9 8.5
	do do Mackall & Ball Capital Traction Co. The McDermott Carriage Co. Washington Gas Light Co The Maurice Joyce Engraving Co.	Sulphuric acid	3.7 268.5 10.0
	Mackall & Ball	Coal	268.5
	The McDermott Carriage Co	Street-car tickets Repairs to wagon	10.0
	Washington Gas Light Co	Gas	5.5 16.1
	The Maurice Joyce Engraving Co	Gas Engraving diagrams	1.5
	Georgetown and Tennallytown Rwy Co	Coppies	11.6
	Great Falls Ice Co	Ice	5.0 25.9
	Mackall Bros Georgetown and Tennallytown Rwy. Co. Great Falls Ice Co Alfred J. Smith	Traveling expenses	2.2 2.7 81.6 179.8
	C.O. Goodnasture	Office expenses	81.6
3	Alfred J. Smith E. C. Schroeder C. O. Goodpasture Chas. W. Stiles G. W. Ward	Coupon street-car tickets Ice Traveling expenses Office expenses Services Traveling expenses Services Traveling expenses Traveling expenses Towel service Linen Letter expense bealts	179.8
	G. W. Ward	Services	50.0
	do Bay State Clean Towel Furnishing Co. New York Telephone Co. J.P. Nawrath	Towel service	11.0
3	New York Telephone Co	Telephone service	13. 2 8. 7 23. 5 130. 0
	J. P. Nawrath	Linen	8.7
	Chadwick Copying Book Co. New York Stencil Works Pacific Telephone and Telegraph Co. B.P.Oliver	Letter-copying books. Compressor frames Telephone service Office rent Boxes	23. 5 130. 0
	Pacific Telephone and Telegraph Co	Telephone service	30.0
	B. P. Oliver	Office rent	60.0
	Rand, McNally & Co		
	Jno. Schroeder	Rope	2.2
1	Doane Bros Rand, McNally & Co Jno. Schroeder Jas. Stewart The Architectural Wood Works A. J. Murray J. J. Brougham L. Bayer	Casters for desk	2.2 2.5 11.0
	A. J. Murray	Traveling expenses	21.5
	J. J. Brougham	Office expenses	6.3
	Frontier Steam Laundry Co. South Omaha Ice Co Tooie A. Geddes. W. H. Hoeke	Rope Casters for desk Screen door, etc Traveling expenses Office expenses Hauling Towel supply	2.6 9.8
	South Omaba Ice Co	Ice	3.0
. 4	Tooie A. Geddes.	Ice Services Table	130.4
5	W. H. Hoeke	Table	8.0 114.2
0	Nathan K. Fegley et al	Salaries	488.0
	Chas. H. Stevens Nathan K. Fegley et al A. G. G. Richardson et al H. A. Hedrick et al	do	749. 3 463. 4
	W. M. Balmer et al	do	808.9
	W. H. Rose et al.	do Office rent	808. 9 946. 2 50. 0
e.	H. B. Davidson	Office rent Tin boxes	50.0
6 7	W. C. Rayen	Services	10.5 100.0
	W. M. Balmer et al W. H. Bose et al H. B. Davidson Keen & Haggerty W. C. Rayen Ira K. Atherton Archibald McBride et al	Salaries	114.2 599.5
8	W.S. Doyce et al	Salariesdo	599.5
·	W.S. Devoe et al. Wm. H. Baker et al. United States Electric Lighting Co	do	7,850.2 2,096.4
	United States Electric Lighting Co	do Electric current Traveling expenses	6.9 27.5
	C. O. Goodpasture	Traveling expenses	27.5
10	R. W. Hickman et al	Salaries	53.8 1,774.0 719.8
	N. P. Hinkley et al	do	719.8
	Geo C Faville et al	do	328 0
	United States Electric Lighting Co. C. O. Goodpasture V. A. Norgaard R. W. Hickman et al N. P. Hinkley et al Edw. P. Dowd et al Geo. C. Faville et al Chas. A. Schaufler et al Morris Wooden et al F. W. Huntington Don C. Ayer et al	do	156. 6 328. 0 802. 4
	Morris Wooden et al	do	1,573.2 97.8 3,510.9 244.6
	Don C Aver et al	Salaries	3,510.9
	Geo. Ditewig et al	do	244.6
	N. C. Sorensen et al	do	417.6
	A.J. Payne et al.  Fredek Braginton et al	do	173 0
	L. R. Baker et al	do	417.60 567.88 173.00 902.60
	Morris Wooden et al F. W. Huntington Don C. Ayer et al Geo. Ditewig et al N. C. Sorensen et al A. J. Payne et al Fredck. Braginton et al L. R. Baker et al Thos. W. Oshel et al E. A. de Schweinitz E. Balzer et al S. L. Brooking et al	do	187.60 45.00 4,645.7
11	E. A. de Schweinitz	Omce expenses	4 645 7
1.1	II. ISWINGL OF GI	Date: 100	1, 305. 4

ate.	Name.	Nature of payment.	Total
98.	N. B. Ashby H. E. Alvord Chas. M. Day Jas. Irwin Albert Dean et al Jas. C. Keely W. D. Jorden W. E. Hill Thos. A. Bray. A. M. Adams Dan McCunningham C. J. Sihler J. J. Summerfield S. J. Murray L. J. Allen W. N. D. Bird Chas. H. Blemer J. A. Kiernan Geo. A. Bond S. Stewart et al S. E. Bennett et al E. A. de Schweinitz do do do do do Ly Nurlay L. J. Allen W. N. D. Bird Chas. H. Blemer J. A. Kiernan Geo. A. Bond S. Stewart et al S. E. Bennett et al E. A. de Schweinitz do		
. 11	N.B. Ashby	Services	\$266.
	H. E. Alvord	Traveling expenses	\$200. 85. 97. 81. 587. 97. 97.
12	Chas. M. Day	Services	97.
	Jas. Irwin	Salarias	587
	Ing C Kooly	Sarvices	97
	W D Jordan	do	97
	W.E. Hill	do	97.
	Thos. A. Bray	do	48.
	A. M. Adams	do	48. 97. 97.
	Dan McCunningham	do	97.
	C.J. Sihler	do	88.
	J.J. Summerfield	do	97. 97. 97.
	S.J. Murray	do	97.
	W N D Pind	do	07
	Chas H Rlamar	do	97. 114. 97. 97.
	J. A. Kiernan	do	97.
	Geo. A. Bond	do	97.
	S. Stewart et al	Salaries	2, 368.
	S. E. Bennett et al	do	2, 368. 3, 464. 63.
	E. A. de Schweinitz	Traveling expenses	63.
	do	Office expenses	4. 19.
10	do	do	19.
13	Edwd. P. Schaffter et al.	Salaries	624.
	Harry N. Waller et al.	do	624. 404. 1,183. 726. 1,162. 483. 339. 1,605. 1,677. 688. 114. 5.
	Thos. J. Turner et al	do	1, 183.
	Wm Thompson of al	do	1 169
	Wm A Hock of al	ob	482
	Ino McRirney et al	ob	339
	J. J. Brougham et al	do	1.605.
	John Forbes et al.	do	1,677.
	Geo. S. Baker et al.	do	688.
	W. B. Niles	Services	114.
	A. J. Murray	do	5.
14	United States Express Co	Transportation	9.
	E Morrison Paper Co	Bands	15. 17.
1 10	Washington Gas Light Co	Gas	17.
17	A.J. Murray	Traveling expenses	3.
	Goo C Moson	do	18.
	W R Nilos	do	23. 19.
	do	do	14.
	C. J. Sihler	00	4.
	E. Morrison Paper Co. Washington Gas Light Co. A. J. Murray W. E. Hill Geo. C. Moser W. B. Niles do C. J. Sihler F. M. Perry	Services	4. 216.
	do Chas, Cowie	do Traveling expenses Services	232. 1. 40.
	Chas. Cowie	Traveling expenses	1.
	do	Services	40.
	F. L. Russell	do	136.
	C. L. Morin do Jno. A. Belldo W. H. Gibbs	do	84. 11. 52.
	C. L. MOTIII	Conviosa	11.
	Ino A Rall	do do	96.
	do	do Traveling expenses Services	96. 23. 97. 114. 97. 173. 1,235. 378. 699. 999. 97. 488.
	W. H. Gibbs	Services	97
	W. H. Gibbs Arthur B. Morse W. D. Robbins O. B. Hess et al. Lowell Clarke et al. Frank T. Shannon et al. T. A. Shipley et al. Robt. Darling et al. Chas. Keane et al. Joshua Miller et al. E. N. Hutchinson et al. W. S. Cass et al. Albert E. Behnke et al. Jno. R. Mohler et al. W. H. Wray. dodo. F. M. Hunter. J. F. Ryder.	do	114
	W. D. Robbins	do	97.
	O. B. Hess et al	Salaries	173.
	Lowell Clarke et al	do	1,235.
	Frank T. Shannon et al	do	378.
	T. A. Shipley et al	do	699.
	Chan Wanna et al	ao	999.
	Joshua Millor et al	00	97.
	E N Hutchinson at al	do	488.
	W. S. Cass et al	do	215. 862.
	Albert E. Behnke et al	do	1 481
	Jno. R. Mohler et al	do	722
	W. H. Wray	Services	375.
	do	Traveling expenses	302. 1, 481. 722. 375. 10. 3. 81. 163.
	do	Office expenses	3.
	F. M. Hunter	Services	81.
	J. F. Ryder	do	163.
	do	Traveling expenses	
	Henry P. Armsby	Services	81. 1,114.
18	do Henry P. Armsby Jno. P. O'Leary et al Newton B. Ashby	Office expenses Servicesdo Traveling expenses Services Salaries	1, 114.
10	Newton B. Ashbydodo	Traveling expenses	99.
	UV	Omce expenses	7.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 18	D. E. Salmon	Traveling expenses Office expensesdo	\$46.75
19	D. E. Sallion Don C. Ayer Chas, A. Schaufler W. H. Rose. G. W. Ward B. P. Wende Benj, Howes W. C. Honan	Office expenses	3.00 11.30 11.95
	W. H. Rose	do -	11.95
	G. W. Ward	Services Traveling expenses	110.00
	B. P. Wende	Traveling expenses	1.95
	Benj. Howes	do	6.85 22.39
		do	2.50
	W.S. Cass Geo. S. Baker A. R. Wake	Traveling expenses	5.40 14.90
	Geo. S. Baker	do	14.90
1	A.R. Wake	Treveling expenses	97.80 19.65
	Chas. H. Blemer	do	9.75
	A. M. Adams. Chas. H. Blemer W. C. Rayen	Services Traveling expensesdo	9.75 17.30
	Chas. M. Day The White, Corbin & Co. Rice P. Steddom D. R. Way	do	3. 25 24. 00
20	Rice P. Steddom	Traveling expenses	46 55
***	D. R. Way	do	65.55
	F. M. Perry	do	105.80 82.69 63.50
	Ino MaRinnov	do	82. 69 63. 50
	W. D. Jorden	do	71.00
	Dan McCunningham	do	51.20
	Chas. H. Stevens	do	51.20 5.24 41.84
	Library Rupon	Carde	9.00
	do	do	9.00 8.75
	do	Special cards	5.94
21	Edwd. P. Dowd	Expenses	. 82 11. 55
	Geo C Faville	do	6.90
	Jas. J. Brougham	do	$6.90 \\ 5.14$
	A. J. Payne	do	2.17
	Jno. McBirney	do	25.80
	Don C. Aver	do	2.00
	D. R. Way F. M. Perry do Jno. McBirney W. D. Jorden Dan McCunningham Chas. H. Stevens G. W. Ward Library Bureau do do do G. G. Richardson Geo. C. Faville Jas. J. Brougham A. J. Payne Jno. McBirney T. A. Shipley Don C. Ayer do E. P. Schaffter L. W. W. J.	do	23.80 16.75 2.00 2.70 2.31
	E. P. Schaffter Harry N. Waller Lewis R. Baker	do	2.31
	Lewis R. Raker	do	9.44
	Geo. S. Baker Ira K. Atherton Albert Dean Kny-Scheerer Co.	do	5.00
	Ira K. Atherton	do	1.70
	Kny-Schooner Co	Telegrams	$\frac{8.94}{2.70}$
	Wm. Lochte	Horseshoeing	4.70
22	W. H. Rose	Expenses  do Traveling expenses Telephone services Paintings of cattle Expenses	9. 45 1. 22
	R. W. Hickman	The welling or any on gog	1.22
	New York Telephone Co	Telephone services	3.60 13.23 100.00
	Jno. W. Hills	Paintings of cattle	100.00
	W. S. Cass	Expenses	2.85 1.00
	W. H. G1008	Traveling avnances	25.50
	Wm. Lochte W. H. Rose R. W. Hickman N. K. Fegley New York Telephone Co Jno. W. Hills W. S. Cass. W. H. Gibbs Jas. J. Summerfield Jno. A. Kiernan Z. D. Gilman do	do Traveling expensesdo Flasks and beakers	25.50 12.40
	Z.D. Gilman	Flasks and beakers	35.11
24	do	Hydrochloric acid Passenger transportation	5.00
24	dodododododododo.	do	35.11 2.16 5.00 7.34
	The Chicago and Alton R. R. Co	do	
	do	do	12.50 20.00
1	Omehe and Rapublican Valley R. R. Co	do	1.20
	Union Pacific R. R. Co.	do	18.00
	Fremont, Elkhorn and Missouri Valley	do	18.00 12.84
	Fremont, Elkhorn and Missouri Valley	do	6.51
	R. R. Co. Chicago, Milwaukee and St. Paul Rwy. Co-	do	36, 70
	do	do	36.70 6.10 23.14
	Burlington and Missouri River R. R. in	do	23.14
	Nebraska.	do	9.70
	do	do	4.00
	Southern California Rwy. Co	do	4.00 13.20
	do Southern California Rwy. Co Chicago, St. Paul, Minneapolis and Omaha	do	16.85
	International and Great Northern R. R. Co.	do	<b>33.</b> 40
25	Geo. E. Gangloff	Hire horse and buggy	90.00
70	Geo. E. Gangloff. Eimer & Amend Wm. M. Galt & Co.	Hire horse and buggy Collodion sacks White oats	4.05
	Wm. M. Galt & Co	White oats	3.30

Date.	Name.	Nature of payment.	Total.
1898.		TD 21 1	ó.w
1898. et. 28	Rudolph, West & Co Hovey, Clark & Co Albert Lea Dairy Association Hoard's Creameries J. W. Timmer John Forbes	Padlocks, wire nails, etc	\$7. 1,055. 993. 913. 5. 4. 15.
20	Albert Lea Dairy Association	Butter do do do Supplies	993
	Hoard's Creameries	do	913.
	J. W. Timmer	Supplies	5.
	John Forbes	Expenses Hire horse and buggy Hire saddle horse	4.
	John Forbesdo Samuel E. Bennett Wyandotte Gas Co	Hire horse and buggy	15.
	Samuel E. Bennett	Hire saddle horse	23. 8.
	Wyandotte Gas Co	Tolophone vental	10.
	W A Taggart	Roarding horse	12.
	Joshua Miller	Expenses	3.
	Albert E. Behnke	Use horse and buggy	35.
	Frank T. Shannon	do	35. 62.
	do	Expenses	1.
	Albert Dean	Traveling expenses	9.
	Albert Dean N. E. Carter Jas. W. Davis South Omaha Ice Co Luis Berger Freeman Bros J. Haberle O. J. Lagigan	File case	9.
	Jas. W. Davis	Use norse and buggy	16.
	Luis Bongon	Hauling	4.
	France Bros	Supplies	3. 2. 6.
	J. Haberle	Supplies and repairing	6.
	O.J. Lanigan	Saddle horse	15.
	Cleary Bros	Horse and wagon	24.
	J. Haberle O. J. Lanigan Cleary Bros O. E. Dyson Nebraska City Furniture Co The Standard Woodworking Co Peavey & Nash Furniture Co C. W. Stiles B. F. T. Bell Cornish, Curtis & Greene Manufacturing Co.	Hire horse and buggy Hire saddle horse Gas Telephone rental Boarding horse Expenses Use horse and buggy do Expenses Traveling expenses File case Use horse and buggy Lee Hanling Supplies Supplies and repairing Saddle horse Horse and wagon Saddle horse Desk and chairs Cupboard Office chairs Traveling expenses  do Traveling expenses	15.
	Nebraska City Furniture Co	Desk and chairs	26.
	The Standard Woodworking Co	Cupboard	17. 5. 171.
	C W Chiles	Unice chairs.	171
	do	do	145.
28	B. F. T. Bell	do Turning desk legs Butter boxes	110.
28 29	Cornish, Curtis & Greene Manufacturing	Butter boxes	47.
	Co.		
	do Silver Laundry and Towel Co. Beach & Weld	do Towel service Wash wringer Kindling wood Telephone service Office rent	49.
	Silver Laundry and Towel Co	Towel service	27. 2.
	Beach & Weld	Wash wringer	2.
	Webb Bros. Co	Kindling wood	2. 6.
	Webb Bros. Co	Office rent	45.
	souri.	Onice rent.	40.
	St. Louis National Stock Yards	do	75. 13. 15.
	W. F. McCarroll & Son	Stoves, pipes, etc	13.
	Electric Toilet Supply Co	Towel supply	15.
	St. Joseph Stock Yards Co	Office rent	15.
	A. E. Behnke	do Stoves, pipes, etc Towel supply Office rent Expenses Towel supply Telephone rental Expenses Traveling expenses	38. 9.
	Frontier Steam Laundry Co	Towel supply	9.
	Thomas I Turnor	Telephone rental	4. 12.
	Toole A Goddes	Traveling avnances	66
	Chicago Telephone Co	Two telephones	66. 87.
	H. W. Hawley	Horse and buggy	69.
	The Office Toilet Supply Co	Traveling expenses Two telephones Horse and buggy Towel service Office rent	108. 45.
	Union Stock Yards and Transit Co	Office rent.	45.
	Gahan & Byrne	do	900.
	Packers' National Bank	do Butter do	165.
	lowa Agricultural College	Butter	396.
	do	ob.	519.
	H.E. Alvord	Traveling expenses	1,175.
	David Pifferling	Traveling expenses Cattle Towels Office rent Lead disks Salaries	1, 173. 17. 250.
	E. C. Schroeder	Towels	1.
	G. W. Tourtellot	Office rent	135.
31	E. J. Brooks & Co	Lead disks	40.
	Geo. F. Thompson et al	Salaries	1,531.
v. 1	A. Wilson & Bro.	Hay	344.
2	W. M. Galt & Co	Feed	380.
2	American Kwy. Supply Co	Hay Feed Export tags Letter-copying supplies White cards Expenses	20.
	Library Burgan	White cords	2.
8	C. W. Stiles	Expenses	1. 135. 40. 1,531. 344. 380. 20. 2. 8. 2. 2.
	Fredk Braginton	do	2.
	N. K. Fegley	do	6.
	The Kansas City Stock Yards Co. of Missouri. St. Louis National Stock Yards W. F. McCarroll & Son Electric Toilet Supply Co St. Joseph Stock Yards Co. A. E. Behnke Frontier Steam Laundry Co. Nebraska Telephone Co Thomas J. Turner Tooie A. Geddes Chicago Telephone Co H. W. Hawley The Office Toilet Supply Co Union Stock Yards and Transit Co Gahan & Byrne Packers' National Bank Lowa Agricultural Collegedodo H. E. Alvord David Pifferling E. C. Schroeder G. W. Tourtellot E. J. Brooks & Co Geo. F. Thompson et al A. Wilson & Bro M. M. Galt & Co American Rwy. Supply Co A. R. Wake Library Bureau C. W. Stiles Fredk Braginton N. K. Fegley Wm. Thompson John A. Kiernan R. H. Treacydododo White Star LineThe Consumers Co	Expenses do do do Traveling expenses Services Traveling expenses Expenses do Transportation Ice	21.
	John A. Kiernan	Traveling expenses	33.
	R. H. Treacy	Services	35. 29. 2.
	do	Traveling expenses	29.
	N. C. Sorensen	Expenses	2.
	do White Star Line The Consumers Co	do	15.
	White Star Line	Transportation	46. 29.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\tt Cont`d}.$

Date.	Name.	Nature of payment.	Total.
1898.			
Vov. 3	Belt R. R. and Stock Yard Co Central Union Telephone Co	Heating office	\$1.7 18.0 7.5 31.2 11.7 11.8 4.5 40.5
	Central Union Telephone Co	Telephone service	18.0
	E. A. Conway Coal Co	Range coal	7.5
	E. A. Conway Coal Co N. Rufus Gill Chas. A. Schaufler	Office rent	31.2
	Ino C Parker	Expenses Books and tags Carbolic acid Vials, drugs, etc Branding ink Pens Salaries	11.7
	Jno. C. Parker Mackall Bros	Carbolic acid	4.5
	do	Vials drugs etc	40.5
	do	Branding ink	13. 7 39. 3 503. 5
	R. C. Ballantyne	Pens	39.3
4	N. K. Fegley et al	Salaries	503.5
- 1	H. A. Hedrick et al	do	478. 3 161. 7 50. 0
	H P Davidson	Pont Pothoods	50.0
5	W H Ralmar at al	Salarias	838 0
0	A. G. G. Richardson et al	do	795. 1
	W. H. Rose et al	do	976.9
	Morris Wooden et al	do	1,737.6
	Hovey, Clark & Co	Butter	1,099.3
7	C. N. Hinkley	Services	50. 6 838. 9 795. 1 976. 9 1, 737. 6 1, 099. 3 40. 6
	W.C. Puvon	do	100.0
	F W Huntington	do	100.0
	C. M. Day	do	101. 1 , 101. 1
	Chas. A. Schauffer Jno. C. Parker Mackall Bros —do —do —do —R. C. Ballantyne N. K. Fegley et al H. A. Hedrick et al Edwd. P. Dowd et al H. B. Davidson W. H. Balmer et al A. G. G. Richardson et al W. H. Rose et al Morris Wooden et al Hovey. Clark & Co C. N. Hinkley C. J. Sihler W. C. Rayen F. W. Huntington C. M. Day A. R. Wake L. J. Allen Wm. D. Jorden W. N. D. Bird W. E. Hill Geo. A. Bond R. P. Steddom Thos. A. Bray Thos. L. Rice Dan McCunningham Jno. A. Kiernan S. J. Murray J. C. Keely C. H. Stevens W. B. Niles Ira K. Atherton Chas. H. Blemer Tooie A. Geddes Nelson P. Hinkley et al R. W. Hickman et al Harry N. Waller et al Chas. A. Schauffer et al J. J. Brougham et al J. R. Buckelew Geo. C. Faville Geo. C. Faville Geo. C. Faville Geo. C. Baryle et al A. J. Payne et al Archd. McBride et al Niels C. Sorensen et al Lewis R. Baker et al W. C. Barth et al M. C. Barth et al M. B. Barginton T. A. Shipley Geo. Des Braginton T. A. Shipley Geo. Des Braginton T. A. Shipley Geo. Hinkley Trank L. De Wolf Washington Gas Light Co A. G. G. Richardson —do Nelson P. Hinkley H. A. Hedrick Saml. E. Bennett J. A. Turner Co Estate of Benj. Adams Esst Buffalo Live Stock Exchange Co B. H. Adams Whitall. Tatum & Co	do	101.1
	L.J. Allen	do	101.1 101.1
	Wm. D. Jorden	do	101.1
	W. N. D. Bird	do	101.1
	W. E. Hill	00	101.1 101.1 101.1
	R P Staddom	do	101.1
	Thos A. Bray	do	101.1
	Thos. L. Rice	do	101.1 101.1
	Dan McCunningham	do	101.1
	Jno. A. Kiernan	do	- 101.1
	S.J. Murray	do	101.1
	C H Stayong	do	101.1 101.1 117.9
	W B Niles	do	117.9
	Ira K. Atherton	do	117.9 117.9 117.9
	Chas. H. Blemer	do	117.9
	Tooie A. Geddes	do	134.8
	Nelson P. Hinkley et al	Salaries	117.9 134.8 870.2 1,837.5 362.3 804.3 552.0 1,687.9 16.8 2.0 338.5 587.7
	R. W. Hickman et al.	do	1,857.5
	Chas A Schauffer et al.	do	804.3
	Edw. P. Schaffter et al	do	552.0
	J. J. Brougham et al	do	1,687.9
	J. R. Buckelew	Letter paper	16.8
8	Geo. C. Faville	Office expenses	2.0
	Geo. C. Faville et al.	Salaries	558. 5
	Archd McRride at al	do	587.7 621.5
	Niels C. Sorensen et al	do	431. 2
	Lewis R. Baker et al	do	431. 2 931. 2
	W. C. Barth et al	do	191.2 606.5 903.7 . 402.9
	Albert Dean et al	do	606. 5
	W.S. Cass	do	903.7
	Jno. McBirney	do	170 8
	T A Shipler	do	178. 5 695. 1
	Geo Ditewig	do	252. 7
	Frank L. De Wolf	do	594.1
	Washington Gas Light Co	Gas	25.2
9	A. G. G. Richardson	Expenses	8.2
	N-1 D H: 11	Horse and buggy	40.0
	H A Hadrick	Expenses	252.7 594.1 25.2 8.2 40.0 32.5 12.5
	Saml E Bennett	do	5.7
	J. A. Turner Co.	Office rent	5.7 12.0 120.0 90.0
	Estate of Benj. Adams	do	120.0
	J. A. Turner Co. Estate of Benj. Adams. East Buffalo Live Stock Exchange Co	do	90.0
	B. H. Adams	do	40.0
	Whitall, Tatum & Co	Supplies	8.1 125.0
	Rell Telephone Co of Philadelphia	Unice rent	125.0 40.0
	Whitall, Tatum & Co  James Stikeman Bell Telephone Co. of Philadelphia The Chesapeake and Potomac Telephone	do	19.5
	CO.		10.0
	New England Telephone and Telegraph	do	14.0

Date.	Name.	Nature of payment.	Total.
1898.	New York Telephone Co- Thos. J. Alden & Co. Boston Gas Light Co. Bay State Clean Towel Furnishing Co. Great Falls Ice Co. E. A. de Schweinitz V. A. Norgaard Thos. J. Turner et al. Saml. E. Bennett et al. S. Stewart et al. W. H. Baker et al. W. S. Devoe et al. Chas. Keane O. B. Hess et al. Geo. S. Baker et al. W. A. Heck et al. E. Balzer et al. Roht. Darling et al. Frank T. Shannon et al. E. N. Hutchinson et al. Frank T. Shannon et al. E. A. de Schweinitz W. H. Wray do do J. F. Ryder.		
Nov. 9	New York Telephone Co	Telephone service	\$7.60
	Boston Gas Light Co	Gas	4.00
	Bay State Clean Towel Furnishing Co	Service	4.00 4.00 7.74
***	Great Falls Ice Co	Supplies	21. 54 27. 00 48. 45
10	E. A. de Schweinitz	Traveling avnances	21.00 48.45
11	Thos. J. Turner et al	Salaries.	1,237,60 4,712,95 2,613,13 2,463,13 8,228,66 101,10
	Saml. E. Bennett et al	do	4,712.95
10	S. Stewart et al.	do	2,613.13
12	W. H. Baker et al	do	8, 228, 66
14	Chas. Keane	Salary	101.10
	O. B. Hess et al	Salaries	
	W A Hack et al	do	708.37
	E. Balzer et al	do	455.57 5,614.96
	Robt. Darling et al	do	1,025.51
	E. N. Hutchinson et al	do	222.30
	E A de Schweinitz	Expenses	21.30
15	W. H. Wray	Services	1, 025.51 222.30 390.70 21.30 387.50
	do	Traveling expenses	11.10
	F M Hunter	Expenses	3.81 84.20
	Frair I - Snamou eval E. A. de Schweinitz W. H. Wray dodo F. M. Hunter J. F. Ryder do W. D. Robbins W. H. Gibbs. A. B. Morse Jas. Irwin I. T. Osmond H. P. Armsby do A. J. Murray Z. D. Gilmando J. R. Buckelew M. G. Copeland & Co Jas. B. Lambie do do Great Falls Ice Co	Traveling expenses	30.00
	do	Services	168.50 101.10
	W. D. Robbins	do	101.10
	A B Morse	do	101. 10 117 90
	Jas. Irwin	do	117.90 84.20
	I. T. Osmond	do	50.00
	H. P. Armsby	Traveling expenses	84.20 26.63
	A.J. Murray	Services	15.00
16	Z. D. Gilman	Supplies	14.15
	do	do	13.30 94.50
	M G Copeland & Co	do	94.50 3.25
	Jas. B. Lambie	do	
	do	do	4. 80 3. 00
	Great Falls Ice Co	do	20.83
	Marion Dorset	Traveling expenses	47.84 805.57
1.50	L. K. Green et al.	Salaries	805. 57
17	Ino Forbes et al	do	1, 169, 66
	A. E. Behnke et al	do	1,787.04 1,542.90 709.36
	Jno. R. Mohler et al	do	709.36
	Lowell Clarke et al	do	2,478.09
	Joshua Miller et al	do	527.02
18	Wm. C. Honan	Traveling expenses	21.24
	Albert Dean	do	18.05
	Jas. B. Lambie dodo	do	1, 478. 09 3, 676. 33 527. 02 21. 24 18. 05 37. 45 8. 00
	J. A. Kiernan	do	5.25
21	W. E. Hill	do	32.25
	A. M. Adams	do	21.35 21.55
	Jno. McBirney.	do	72.57
	D. R. Way	do	72.57 67.60
	W. B. Niles	do	23.47
	Hoard's Creameries	Rutter	5. 10 951. 90
	Swift & Co	Transportation of butter	416.91
	W.C. Rayen	Traveling expenses	14.19
	Chas W Day	do	20.50 5.50
	Niels C. Sorensen	Expenses	9.41
90	S. R. Burch G. W. Ward	Traveling expenses	49.35
22	G. W. Ward	Services	145.00
	L. A. Robinson	. do	75.45 8.26
	L. A. Robinson C. L. Morin	Services	76.00
	do Chas. Cowie	Traveling expenses	12. 55 125. 00
	Jno A Bell	do Butter Transportation of butter. Traveling expenses do do to to Traveling expenses Traveling expenses Traveling expenses Services Traveling expenses Services Traveling expenses Services Traveling expenses	125.00 104.00
	Jno. A. Bell do F. M. Perry	Traveling expenses	16.62
		Services	216.00

Date.	Name.	Nature of payment.	Total.
1898.			
Vov. 22	F. M. Perry J. A. Fries. F. L. Russell do Geo. C. Faville Dan McCunningham W. D. Jorden Geo. C. Moser Chicago Car Seal and Manufacturing Co	Traveling expenses	\$95.0 19.0 144.0 77.1 16.7
	F. I. Russell	Services do Traveling expenses	19.0
	do	Traveling expenses	77.1
	Geo. C. Faville	dododododo	16. 7
	Dan McCunningham	do	44. 8 59. 6
	Geo. C. Moser	do	59.6 41.4
	Chicago Car Seal and Manufacturing Co	do Suppliesdo Handling, etc., butter Traveling expenses Suppliesdodododo	656. 2 722. 2
	do	do	722.2
	Chicago Car Seal and Manufacturing Codo Merchants' Refrigerating Codas. W. Wilson Bausch & Lomb Optical Codo Library Bureau Albert Lea Dairy Association Iowa Agricultural College Cornish, Curtis & Greene Manufacturing Co.	Handling, etc., butter	308. 8 24. 0
30	Bausch & Lomb Optical Co.	Supplies	1.2
	do	do	20.7
	Albert Lea Deiry Association	do	20.7
	Iowa Agricultural College	Butter	1,051.6 710.7 102.1
	Cornish, Curtis & Greene Manufacturing	do	102.1
Dec. 1	Geo. F. Thompson et al	Salaries	1,552.5 26.0 15.0
76C. I	Cleary Bros O. J. Lanigan	Horse hire	20.0 15.0
	O. E. Dyson Hibbard, Spencer, Bartlett & Co. A. E. Behnke Saml. E. Bennett Frank T. Shannon Belt R. R. and Stock Yard Co. St. Louis National Stock Yards	do	15.0
	Hibbard, Spencer, Bartlett & Co	do Supplies Horse and buggy Horse hire Horse and buggy Rent of office Rent of rooms Board for borse	15. ( 15. 3 35. (
	A. E. Behnke	Horse and buggy	35.0
	Frank T Shannon	Horse and buggy	23. ( 29. (
	Belt R. R. and Stock Yard Co	Rent of office	10.0
	St. Louis National Stock Yards	Rent of rooms	75.
	St. Louis National Stock Yards W. A. Taggart Jas. W. Davis Omaha Steam Laundry The R. H. Smith Manufacturing Co. New York Telephone Co. B. H. Adams A. G. G. Richardson Ch. W. Stiles	Board for horse Horse and buggy Supplies	12.
	Omaha Steam Laundry	Supplies	16. 5.
	The R. H. Smith Manufacturing Co	do	9.
	New York Telephone Co	Rent of telephone	13.
	B. H. Adams	Rent of office	40. 40.
	Ch W Stiles	Traveling expenses	143
	do	Expenses	40. 143. 16. 61. 35. 2. 3.
	Geo. E. Howard	Traveling expenses	61.5
2	Z. D. Gilman	Supplies	35.
	do	oh	3.
	Jas. B. Lambie	do	9.
	do	do	6. 12. 3.
	Wm Lochte	do	12.
	M. Du Perow	do	
	Rudolph, West & Co	do	8.
	Holyoke Envelope Co	do	77. 7.
	The White Corbin & Co	do	26.
	American Rwy. Supply Co.	do	33. 27.
	do	do	27.
3	W H Rose et al	Salarios	20. 946.
9	H. A. Hedrick et al.	do	463.
	W. A. Taggart Jas. W. Davis Omaha Steam Laundry The R. H. Smith Manufacturing Co. New York Telephone Co. B. H. Adams A. G. G. Richardson Ch. W. Stiles do Geo. E. Howard Z. D. Gilman do Jas. B. Lambie do C. R. Edmonston Wm. Lochte M. Du Perow Rudolph, West & Co Holyoke Envelope Co do The White, Corbin & Co American Rwy. Supply Co do W. H. Rose et al H. A. Hedrick et al Julius Huelson et al H. B. Davidson J. H. Bunnell & Co Eimer & Amend Library Bureau Morris Wooden et al W. M. Balmer et al A. G. G. Richardson et al Dennison Manufacturing Co do	do	463. 583.
_	H. B. Davidson	Rent of land	50.
5	Fimer & Amand	Supplies	. 1. 5.
	Library Bureau	do	8.
6	Morris Wooden et al	Salaries	1,700. 812. 771.
	W. M. Balmer et al	do	812.
7	Dennison Manufacturing Co	Supplies	484
1	do	dodo	342.
	do	do	484. 342. 300. 39.
	do	do	39.
	W C Rayon	Sarvices	100
	C. M. Day	dodo	9. 100. 97.
	T. A. Geddes	do	130.
	F. D. D	Traveling expenses	130. 152. 156.
	do do W. C. Rayen C. M. Day T. A. Geddes do E. P. Dowd et al F. W. Huntington et al L. R. Baker et al Albert Dean et al Jno. McBirney et al Fredk. Braginton et al H. N. Waller et al	Salaries	105.
	L. R. Baker et al	do	105. 902. 660.
	Albert Dean et al	do	660.
	Jno. McBirney et al	do	439. 173. 405.

ete.	Name.	Nature of payment.	Total.
98.			
. 8	Geo. C. Faville	Expenses	\$8.
	Coo C Fovillo et al	do Salaries	328. 1,780. 11. 797. 536.
	R. W. Hickman et al.	do	1, 780.
	Chas. A. Schaufler	do Expenses Salaries	11.
	Chas, A. Schaufler et al	Salaries	797.
	E. P. Schaffter et al	do	536.
	T. A. Shipley et al	do	723. 12. 2.
	C. S. Braisted	Supplies	12.
	do D. D. Co	Pagangan transportation	20
	The Misseyri Pacific Pwy Co	do	40.
	C. S. Braisted do Terre Haute and Indiana R. R. Co. The Missouri Pacific Rwy. Co. Pennsylvania Co. Burlington and Missouri River R. R. in	do	20. 17.
	Burlington and Missouri River R. R. in	do	14.
	Nebraska.		
	Southern Pacific Co	do	30.
	Chicago and Northwestern Rwy. Co	do	10.
	Baltimore and Ohio R. R. Co	do	10.
	International and Great Northern R. R. Co.	do	32.
	Albert E Behrlie et al	Colorino	32. 21. 1,497.
9	Poni S Paddoek et al	do.	1,491.
9	Nebraska. Southern Pacific Co	do	188. 2,385. 7,686. 735.
	W. S. Devoe et al.	do	7,686
	Jno. R. Mohler et al	do	735.
	H.P. Armsby	Services	
	J. A. Fries	do	81.
	Chas. Cowie	Traveling expenses	5.
	W. H. Rose	Expenses	17.
	W.A. Rushworth	Traveling expenses	1.
	B.P. Wende	do	3.
	I. V Choon	do	3.
10	E Balzer et al	Salaries	5 628
	Jno. Forbes et al	do	5,628. 1,851.
	O. B. Hess et al.	do	145. 180. 244.
	T. W. Oshel et al	do	180.
	Geo. Ditewig et al	ido	244.
	N. C. Sorensen et al	do	417.
	W. H. Gibbs et al	do	216.
	Wm Thompson of al	do	649
	Joshua Millar et al	do	607
	Chas. Keane	Traveling expenses	20.
	do	Salary	6.
	Geo. S. Baker	Traveling expenses	216. 602. 642. 607. 20. 6.
	Geo. S. Baker et al	Salaries	688.
	A. J. Payne et al	do	569.
	W. S. Cass	Expenses	688. 569. 2. 864.
	C. I. Movin	Salaries	36.
	United States Electric Lighting Co	Supplies	3.
	Washington Gas Light Co	Gas	26.
12	J. A. Fries Chas. Cowie W. H. Rose W. A. Rushworth B. P. Wende Benj. Howes L. K. Green E. Balzer et al Jno. Forbes et al O. B. Hess et al T. W. Oshel et al Geo. Ditewig et al N. C. Sorensen et al Archibald McBride et al Wm. Thompson et al Archibald McBride et al Wm. Thompson et al Joshua Miller et al Chas. Keane do Geo. S. Baker Geo. S. Baker Geo. S. Baker et al A. J. Payne et al W. S. Cass United States Electric Lighting Co Washington Gas Light Co Chas. H. Stevens do W. D. Robbins A. B. Morse Ira K. Atherton Frank Canon Jas. J. Brougham Frank L. De Wolf et al	Services	57
	do	Traveling expenses	57. 59. 97.
	W.D. Robbins	Services	97.
	A. B. Morse	do	114 114 19
	Frank Canen	do	114
	Jac I Brougham	do do do Expenses Salaries do Services	6
	Frank L. De Wolf et al	Salaries	678
	Jas. J. Brougham et al	do	678 1,595
	Abram M. Adams	Services	97
	Thos. A. Bray	do	97
	W. D. Jorden	do	97
	J. A. Kierman	do	97 97 97 97
	Frank Canon Jas. J. Brougham Frank L. De Wolf et al Jas. J. Brougham et al Abram M. Adams Thos. A. Bray W. D. Jorden J. A. Kierman Thos. L. Rice Chas. H. Blemerdo Geo. A. Bond W. N. D. Bird Dan McCunningham Jas. C. Keely W. E. Hill L. J. Allen A. R. Wake T. A. Geddes W. C. Barth Joshua Miller W. B. Niles	do	97
	do do	Thorading or no	114
	Geo A Rond	Sarviose	114 60 97
	W. N. D. Bird	do	97
	Dan McCunningham	do	97
	Jas. C. Keely	do	97
	W. E. Hill	do	97 97 97 97
	L. J. Allen	do	97 35
	A.R. Wake	do	35
	T. A. Geddes	Traveling expenses	18
	W.C. Barth	Expenses	$\begin{bmatrix} 1\\5\\1 \end{bmatrix}$
	LAUSINIS WILLEY	-00	5

1888   2	Date.	· Name.	Nature of payment.	Total.
T. J. Turner et al.	1898.			
T. J. Turner et al.		Wm. Thompson	Expenses	\$15.69
T. J. Turner et al.		N. P. Hinkley et al	Salaries do	858.20
T. J. Turner et al.	13	S. E. Bennett et al.	do	4,444.97
T. J. Turner et al.		Lowell Clarke et al	do	1,442.55
C. H. Zhik		W. A. Heck et al	do	325.07
1. To Simond		T. J. Turner et al.	do	
1. To Simond		do !	do Services	9 78
Rudolph West & Co.		Jas. Irvin	do	81 60
Rudolph West & Co.		I. T. Osmond	do	50,00
Rudolph West & Co.		A. D. Melvin	Traveling expenses	15. 95
Rudolph West & Co.	14	S. Stewart et al.	Salaries	2,646.92
Rudolph West & Co.		W H Wray	Services	885.85 275.00
Rudolph West & Co.		Mackall Bros	Supplies	1.20
J. F. Ryder		Grove Lime and Coal Co	do	2.25
J. F. Ryder		R. P. Clarke	do	2.50
J. F. Ryder		do	do	3.00
J. F. Ryder		Z. D. Gilman	do	13. 35 46.00
J. F. Ryder		do	do	19.70
J. F. Ryder		Www. M. Colt & Co	do	6.14
J. F. Ryder		dodo	do	6.60
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.		do	do	3.30
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.		J. F. Kyder F M Hunter	Services	163.00 81.60
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	15	E. N. Hutchinson et al.	Salaries	211 38
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.		F. T. Shannon et al.	do	378.60
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	17	R. P. Clarke	Supply	18.00
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.		Wm. Lochte	Supplies	4.50
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	19	Georgetown and Tennallytown Rwy. Co.	Passanger transportation	56.75
Rwy. Co.	10	do	do	39.50
International and Great Northern R. R. Co		Chicago, St. Paul, Minneapolis and Omaha	do	9.95
St. Louis and San Francisco R. R. Co. do       do       22. 45         . do       . do       5.50         Chicago, Milwaukee and St. Paul Rwy. Co       do       11. 68         The Chicago, Burlington and Quincy R. R. Co.       do       23. 83         Union Pacific Co       do       . 90         . do       . 88         Fremont, Elkhorn and Missouri Valley R. R. Co.       do       . 88         Galveston, Harrisburg and San Antonio Rwy. Co.       . do       20. 20         The Minneapolis and St. Louis R. R. Co.       . do       7. 20         L. A. Robinson.       . Traveling expenses       4. 45         W. A. Rushworth       . do       36. 75         L. K. Green       . do       1. 35         J. Do. A. Bell       . do       16. 12         Chas. Cowie       . do       22. 50         Jos. M. Turner       . do       22. 50         W. H. Wray       . do       30. 00         Geo. C. Faville       . do       30. 00         Geo. C. Faville       . do       20. 20         Albert Dean       . do       5. 80         W. E. Hill       . do       5. 80         The Union Pacific, Denver and Gulf Rwy.       Passenger transportation <td></td> <td>International and Great Northern R. R. Co.</td> <td>do</td> <td>4.60</td>		International and Great Northern R. R. Co.	do	4.60
Chicago, Milwaukee and St. Paul Rwy. Co.		St Louis and San Francisco P P Co	do	22.45
Union Pacific Co		Chicago, Milwankee and St. Paul Rwy Co.	do	11.68
Union Pacific Co		The Chicago, Burlington and Quincy R. R.	do	23.83
		Co.		90
Fremont, Elkhorn and Missouri Valley R. R. Co. Galveston, Harrisburg and San Antonio Rwy. Co. The Minneapolis and St. Louis R. R. Co. L. A. Robinson Taveling expenses 4.45 W. A. Rushworth do 36.75 L. K. Green do 1.95 Jno. A. Bell do 1.95 Jno. A. Bell do 1.95 Jos. M. Turner do 22.50 W. H. Wray do 22.50 W. H. Wray do 10.80 J. F. Ryder do 30.00 Geo. C. Faville do 21.75 Albert Dean do 5.75 Abram M. Adams do 5.80 W. E. Hill do 19.80 The Union Pacific, Denver and Gulf Rwy. Passenger transportation 3.50		do	do	. 88
Galveston, Harrisburg and San Antonio Rwy. Co.   Co.		Fremont, Elkhorn and Missouri Valley	do	3. 14
Rwy. Co.       7.20         The Minneapolis and St. Louis R. R. Co.      do       7.20         L. A. Robinson       Traveling expenses       4.45         W. A. Rushworth      do       1.35         C. H. Zink      do       1.95         L. K. Green      do       1.95         Jno. A. Bell      do       16. 12         Chas. Cowie      do       22.50         Jos. M. Turner      do       22.50         W. H. Wray      do       10. 80         J. F. Ryder      do       30. 00         Geo. C. Faville      do       21. 75         Albert Dean      do       18. 10         Geo. A. Bond      do       5. 75         Abram M. Adams      do       5. 80         W. E. Hill      do       19. 80         The Union Pacific, Denver and Gulf Rwy.       Passenger transportation       3. 50		Galveston Harrishurg and San Antonio	ob	20, 20
The Minneapolis and St. Louis R. R. Co.		Rwy. Co.	1	
W. A. Rushworth		The Minneapolis and St. Louis R. R. Co	Traveling expenses	7.20
C. H. Zink       .do       36, 75         L. K. Green       .do       1.95         Jno. A. Bell       .do       16, 12         Chas. Cowie       .do       22, 50         Jos. M. Turner       .do       22, 50         W. H. Wray       .do       10, 80         J. F. Ryder       .do       30, 00         Geo. C. Faville       .do       21, 75         Albert Dean       .do       18, 10         Geo. A. Bond       .do       5, 75         Abram M. Adams       .do       5, 80         W. E. Hill       .do       19, 80         The Union Pacific, Denver and Gulf Rwy.       Passenger transportation       3, 50         Co.       C. L. Morin       Traveling expenses       13, 05         W. D. Jorden       .do       51, 68         Dan McCunningham       .do       37, 43         W. N. D. Bird       .do       19, 90         R. P. Steddom       .do       53, 25         L. J. Allen       .do       20, 25         C. M. Day       .do       4, 00         W. C. Honan       .do       12, 23         C. H. Stevens       .do       12, 23         C. H.		W. A. Rushworth	do	1.35
Jan. A. Bell		C. H. Zink	do	36.75
Chas. Cowie         do         22.50           Jos. M. Turner         do         22.50           W. H. Wray         do         10.80           J. F. Ryder         do         30.00           Geo. C. Faville         do         21.75           Albert Dean         do         18.10           Geo. A. Bond         do         5.75           Abram M. Adams         do         19.80           W. E. Hill         do         19.80           Co.         C. L. Morin         Traveling expenses         13.05           W. D. Jorden         do         51.68           Dan McCunningham         do         37.43           W. N. D. Bird         do         19.00           R. P. Steddom         do         53.25           L. J. Allen         do         20.25           C. M. Day         do         4.00           W. C. Honan         do         12.23           C. H. Stevens         do         12.23           C. H. Stevens         do         66.54	1	Jno. A. Bell	do	16.12
Jos. M. Turner	1	Chas. Cowie	do	. 2.50
J. F. Ryder		Jos. M. Turner	do	10.80
Geo. C. Faville       do       21.75         Albert Dean       do       18.10         Geo. A. Bond       do       5.75         Abram M. Adams       do       5.80         W. E. Hill       do       19.80         The Union Pacific, Denver and Gulf Rwy.       Passenger transportation       3.50         Co.       C. L. Morin       Traveling expenses       13.05         W. D. Jorden       do       51.68         Dan McCunningham       do       37.43         W. N. D. Bird       do       19.00         R. P. Steddom       do       20.25         L. J. Allen       do       20.25         C. M. Day       do       4.00         W. C. Honan       do       12.23         C. H. Stevens       do       22.67         E. N. Hutchinson       do       16.65         Jno. McBirney       do       66.54	1	J. F. Ryder	do	30.00
Geo. A. Bond		Geo. C. Faville	do	21.75
Abram M. Adams	-	Geo. A. Bond	do	5. 75
W. E. Gill		Abram M. Adams	do	5.80
Co. C. L. Morin Traveling expenses 13.05 W. D. Jorden do 51.68 Dan McCunningham do 37.43 W. N. D. Bird do 19.00 R. P. Steddom do 59.25 L. J. Allen do 20.25 C. M. Day do 4.00 W. C. Honan do 12.23 C. H. Stevens do 22.67 E. N. Hutchinson do 16.65 Jno. McBirney do 66.54		W. E. Hill	Passenger transportation	3.50
C. L. Morin       Traveling expenses       13.05         W. D. Jorden       do       51.68         Dan McCunningham       do       37.43         W. N. D. Bird       do       19.00         R. P. Steddom       do       53.25         L. J. Allen       do       20.25         C. M. Day       do       4.00         W. C. Honan       do       12.23         C. H. Stevens       do       22.67         E. N. Hutchinson       do       16.65         Jno. McBirney       do       66.54		Co.		
Dan McCunningham         do         37.43           W. N. D. Bird         do         19.00           R. P. Steddom         do         53.25           L. J. Allen         do         20.25           C. M. Day         do         4.00           W. C. Honan         do         12.23           C. H. Stevens         do         22.67           E. N. Hutchinson         do         16.65           Jno. McBirney         do         66.54		C. L. Morin	Traveling expenses	13.05 51.68
W. N. D. Bird       do       19,00         R. P. Steddom       do       53,25         L. J. Allen       do       20,25         C. M. Day       do       4,00         W. C. Honan       do       12,23         C. H. Stevens       do       22,67         E. N. Hutchinson       do       16,65         Jno. McBirney       do       66,54		Dan McCunningham	do	37.43
R. F. Steddom		W. N. D. Bird	do	19.00
C. M. Day       do       4.00         W. C. Honan       do       12.23         C. H. Stevens       do       22.67         E. N. Hutchinson       do       16.65         Jno. McBirney       do       66.54	1	L. J. Allen	do	20.25
W. C. Honan       do       12. 23         C. H. Stevens       do       22. 67         E. N. Hutchinson       do       16. 65         Jno. McBirney       do       66. 54		C. M. Day	do	4.00
E. N. Hutchinson do 16. 65 Jno. McBirney do 66. 54	1	W.C. Honan	do	12.23
Jno. McBirney do 66.54	1	E. N. Hutchinson	do	16.65
	1	Jno. McBirney	do	66.54

Date.	Name.	Nature of payment.	Total.
1898.	D. R. Way W. H. Wray — do — do — W. B. Niles Don C. Ayer W. S. Devoe Wm. Thompson W. S. Cass. G. W. Ward F. L. Russell F. M. Perry Chas Cowie W. B. Niles W. D. Robbins J. J. Summerfield S. J. Murray A. J. Murray F. N. Trudelle Geo. Grafton J. A. Lawrence Harry Booth The J. H. North Furniture and Carpet Co.		
ec. 19	D. R. Way	Traveling expenses	\$64.1 7.4
	W. H. Wray	Expenses	3.4
	W. B. Niles	do	1.3
	Don C. Ayer	do	5. 0
	W. S. Devoe	do	50.4
	Wm. Thompson	do	16.3 2.0
	G. W. Ward	Services	130.0
	F. L. Russell	do	184.0
	F. M. Perry	do	145.0
	W R Niles	do	90.0 114.2
	W. D. Robbins	do	29.3
	J. J. Summerfield	do	26.0
	S.J. Murray	do	97.8
	F. N. Trudelle	do	15.0 17.6
	Geo. Grafton	do	48.9
	J. A. Lawrence	Supplies	6.0
	The I H North Franklure and Cornet Co.	do	21. 0 21. 0
	Omaha Steam Laundry Co	do	5.9
	Harry Booth The J. H. North Furniture and Carpet Co. Omaha Steam Laundry Co. J. W. Davis Robt. Keith Furniture and Carpet Co. W. A. Taggart	Horse hire	8.0
	Robt. Keith Furniture and Carpet Co	Supplies	4.9
	J. W. Davis Robt. Keith Furniture and Carpet Co W. A. Taggart Hoard's Creameries	Butter	12.5 1,021.4
	Hoard's Creameries F. T. Shannon Pennsylvania R. R. Co do Vandalia Line The H. C. Underwood Manufacturing Co White Star Line B. H. Adams	Horse hire	29.0
	Pennsylvania R. R. Co	Freight	65.3
	do	do	62. 1
20	The H C Underwood Manufacturing Co	Supplies	18.7
20	White Star Line	Services	23.5
	B. H. Adams New York Telephone Co Geo. C. Faville	Rent of office Services Expenses	40.0
	New York Telephone Co	Services	7.6 3.9
	Geo. C. Faville	Expenses	3. 9 3. 4
	Chas, A. Schaufler	do	9.9
	Chas. A. Schaufler H. F. Miller & Son A. G. G. Richardson	do Supplies	34.5
21	A. G. G. Richardson	Horse hire	40.0
21	A. G. G. Richardson L. Berger E. A. Conway Coal Co- Cleary Bros- O. E. Dyson A. J. Lanigan A. B. Behnke S. F. Bennett	Hauling Supplies Horse hire	3.5 7.5
	Cleary Bros	Horse hire	26.0
	O. E. Dyson	do	15.0
	A.J. Lanigan	do	15.0 35.0
		do	23.0
	Margaret Carroll Chas. A. Brown	do Traveling expenses	13.3
	Chas. A. Brown	do	7.3
	Chicago Car Seal and Manufacturing Co	Supplies	15.2 427.5
	Springfield Envelope Co	Supplies do Traveling expenses	6.2
	A. J. Murray	Traveling expenses	6. 2 8. 0
	Eimer & Amend	Supplies	12. U
	Geo. S. Baker Chicago Car Seal and Manufacturing Co Springfield Envelope Co A. J. Murray Eimer & Amend do R. L. Cooper do	Supplies do Horse hire	9.7 28.0
	M. D. Cooper  do Sarah Richards E. Morrison Paper Co M. Du Perow D. E. Salmon Geo. E. Howard E. A. de Schweinitz F. M. Popry	do	30.0
	Sarah Richards	Washing Supplies do Traveling expenses Supplies Expenses Traveling expenses	2.2 15.7
	M. Du Perow	do	4.8
	D. E. Salmon	Traveling expenses	17.0
	Geo. E. Howard	Supplies	17. 0 32. 0 24. 7
22	E. A. de Schweinitz	Expenses	24.7
NA.	F. M. Perry G. W. Ward F. L. Russell	Traveling expenses	110. 4 45. 7
	F. L. Russell	dodo	45. 7 99. 7
	W. H. Rose	Expenses	12.2
	do do	Expenses Supplies do	$\frac{9.5}{3.0}$
	F. L. Russell W. H. Rose Library Bureaudo E. J. Brooks & Co Dennison Manufacturing Co Andrew Geddes H. F. Miller & Son. Gillette Hardware Co. St. Lonis National Stock Vards	do	6.5
	Dennison Manufacturing Co	do	12.0
99	Andrew Geddes	Traveling expenses	25.0
23	Gillette Hardways Co	Supplies	7.2
	St. Louis National Stock Yards	Rent of rooms	75.0
	St. Louis National Stock Yards Ed. S. Schmid	Supplies	1.5
91	Marion Dorset	Traveling expenses	5.0
- 31	Geo. F. Thompson et al	Salaries	1,567.7
	Total second quarter		215, 411. 9

Date.	Name.	Nature of payment.	Total.
1899.			
n. 3	D. W. Willson	Traveling expenses	\$86.
	T. A. Geddes A. Wilson & Bro	Services	134.5 1,196. 120. 98.
	A. Wilson & Bro	Feed for animals	1 196
	do	Cattle	120.
	do L. G. Orndorff Mackall Bros	Cattle Blankets, etc. Supplies Vaseline, etc. Transportation Push buttons and wire Transportation Supplies	98.
	Mackall Bros	Supplies	41. 14.
4	do United States Express Co Royce & Marean The G. W. Knox Express Co	Vaseline, etc	21.
-	Royce & Marean	Push buttons and wire	21.
	The G. W. Knox Express Co	Transportation	
	The G. W. KINX EXPRESS CO Thos. Somerville & Sons E. J. Pullman The Photochromotype Engraving Co. Goes Lithographing Co do do W. E. Pratt	Supplies	6.
	The Photochrometyne Francisca Co	Illustrations	81. 658.
	Goes Lithographing Co	Supplies	658
	do	do	607. 519.
	do	do	519.
	W.E. Pratt	do	4.
	They Cook & Son	Paggangan transportation	27.
5	W. E. Pratt do Thos. Cook & Son Chas. O. Brockway The Harrington & King Perforating Co C. W. Stiles American Railway Supply Co do Clarence E. McCoy	do Passenger transportation Supplies	40.
Ü	The Harrington & King Perforating Co	do	3
	C. W. Stiles	Services	300. 33. 5.
	American Railway Supply Co	Tags	33.
	do Clarence E. McCoy. The McDermott Carriage Co. Chicago and Northwestern Rwy Co. H. E. Overstreet do Chicago, Milwaukee and St. Paul Rwy. Co.	Gould's packing	5. 4.
	The McDermott Carriage Co	Renairs to buggy	6.
6	Chicago and Northwestern Rwy Co	Passenger transportation	12.
	H.E. Överstreet	Transportation	
	dodo	do	٠.
	Chicago, Milwaukee and St. Paul Rwy. Co. The Chicago, Burlington and Quincy R. R. Co. The Chicago and Alton R. R. Co. Baltimore and Ohio R. R. Co. Southern Pacific Co. Chesapeake and Ohio R. W. Co. Great Northern Rwy. Co Pennsylvania R. R. Co. A. D. Melvin H. A. Hedrick et al H. N. Waller et al E. P. Dowd et al Geo. Ditewig et al Fredk. Braginton et al Lewis R. Baker et al E. P. Schaffter et al Jra K. Atherton Chas. M. Day A. B. Morse Morris Wooden et al. Saml. E. Bennett et al S. S. Stewart et al H. E. Alvord Geo. C. Faville et al Chas. H. Zink et al W. M. Balmer et al J. A. Fries. S. G. Burkholder et al S. C. Sorensen et al J. J. Brougham et al F. L. De Wolf et al N. C. Sorensen et al Joshua Miller et al E. N. Hutchinson et al A. J. Payne et al A. R. Wake S. G. Burkholder B. P. Wende A. R. Wake S. G. Burkholder B. P. Wende A. R. Wake S. G. Burkholder B. P. Wende A. R. Wake S. G. Burkholder B. P. Wende A. R. Wake S. G. Burkholder B. P. Wende H. G. Arnold et al	TagsdodoGould's packing	24. 12.
	The Chicago and Alton R. R. Co	do	25.
	Baltimore and Ohio R. R. Co	do	25.1 17.
	Southern Pacific Co	do	25
	Chesapeake and Ohio Rwy. Co	do,	27.
	Poppeylyania R R Co	do	27. 34. 28.
	A. D. Melvin	Traveling expenses	. 5.
7	H. A. Hedrick et al	Salaries	478. 429.
	H. N. Waller et al	do	429.
	E. P. Dowd et al	60	161. 252.
	Fredk Braginton et al	do	178.
	Lewis R. Baker et al	do	931.
	E. P. Schaffter et al	do	679.
	Jno. McBirney et al	-5do	472. 117.
	Chas W Day	Services	101
	A B Morse	do	101. 117. 1,757.
9	Morris Wooden et al.	Salaries	1, 757.
	Saml. E. Bennett et al	do	4 331
	S. S. Stewart et al	do	2,784. 88.
10	Geo C Favillo et al	Salarios	
10	Chas. H. Zink et al.	do	687
	W. M. Balmer et al	do	687. 887. 37.
	J. A. Fries	Traveling expenses	37.
	S. G. Burkholder et al	Salaries	
	S. E. Costord et al	do	86. 1,721.
	F. L. De Wolf et al	do	
	N. C. Sorensen et al	do	402.
	Lowell Clarke et al	do	1,460.
	A. E. Behnke et al	do	1,168.
	F N Hutchinson et al	do	917
	W. H. Gibbs et al	do	1, 460. 1, 168. 611. 217. 237.
	A. J. Payne et al	do	587. 718. 333.
	T. A. Shipley et al	do	718.
	W. A. Heck et al	do	333.
	A. K. Wake et al	Office ownerses	663.
	A R. Wake	do	663. 5. 3.
	S. G.Burkholder	Traveling expenses	19.
	B. P. Wende H. G. Arnold et al W. S. Devoe et al F. W. Huntington et al	do	
11	H. G. Arnold et al	Salaries	2,653. 7,974.
	W S Davos et al	do	7.974.

Date.	Name.	Nature of payment.	Total.
1899.	D. W. Willson Z. D. Gilman do do Church & Stephenson Jas. B. Lambie do do Don C. Ayer et al C. A. Schauffer et al E. L. Volgenau et al R. W. Hickman et al W. H. Rose et al A. G. Bichardson et al Julius Huelsen et al T. W. Oshel et al Archibald McBride et al Archibald McBride et al T. J. Turner et al H. B. Davidson G. M. Brumbanch		
n. 12	D. W. Willson	Services	\$108.0
	Z. D. Gilman	Tin how	8. 6 2. 4
	Church & Stephenson	Lumber	28. 6
	Jas. B. Lambie	Supplies	1.1
	do	Nippers	. 4
	do	Rope	9.000
10	Don C. Ayer et al.	Salaries	3, 932. 3 838. 5
13	E. I. Volgenau et al	do	1, 463. 5 1, 943. 2 909. 7
	R. W. Hickman et al.	do	1, 943.2
	W. H. Rose et al	do	909.7
	A. G. G. Richardson et al	do	440.0
	T W Ochol et al	do	605. 1 193. 7
	Archibald McBride et al	do	621.5
	O. B. Hess	Services	117.9
	Jno. R. Mohler et al	Salaries	621. 5 117. 9 657. 1
	T. J. Turner et al	Salaries do Rent of lands Traveling expenses Telegraph services do Salaries Services	1, 424. (
	H. B. Davidson	Traveling expenses	50. 0 82. 8
	Postal Telegraph Cable Co	Telegraph services	11.0
	Western Union Telegraph Co	do	20.7
14	Jno. Forbes et al	Salaries	1,940.0
	Chas. Keane	Services	29.3
	Thos. Castor et al	Salaries	1,100.5
	Loc Invin	Services	84 9
	T. J. Turner et al H. B. Davidson G. M. Brumbaugh Postal Telegraph Cable Co Western Union Telegraph Co Jno. Forbes et al Chas. Keane Thos. Castor et al F. T. Shannon et al Jas. Irwin Goes Lithographing Codo Washington Gas Light Co W. S. Cass et al Geo. S. Baker et al Jas. Sheehan E. Balzer et al Albert Lea Dairy Association Hoard's Creameries A. R. Wake Jno. McBirney D. R. Way Geo. S. Baker Chas. Keane W. S. Devoe Maggie Murphy Mae B. Joslin W. A. Rushworth B. P. Wende H. A. Hedrick E. A. de Schweinitz Wm. Thompson et al	Stamps	390. 7 84. 2 226. 0 50. 6
	do	do	50,6
16 17	Washington Gas Light Co	Gas	28. 7 906. 2 710. 8
17	W. S. Cass et al	Salaries	906.2
	Jee Shoohen	Souviees	41.0
1	E. Balzer et al	Salaries	5, 704, 8
	Albert Lea Dairy Association	Butter	5, 704. 8 787. 7
	Hoard's Creameries	do	1,188.0
	A. R. Wake	Traveling expenses	32.2
	D P Won	do	58.4 63.4
	Geo S Baker	do	15.2
	Chas. Keane	do	6.1
	W. S. Devoe	do	62.0
	Maggie Murphy	do	6.0
18	W A Rushworth	do	6. 0 5. 2
10	B. P. Wende	do	1.9
	H. A. Hedrick	do	6.7
	E. A. de Schweinitz.	do	57.0
19	H. A. Hedrick E. A. de Schweinitz Wm. Thompson et al Albert Dean et al Jno, A. Kiernan	Salaries	1,274.0 759.8
	Albert Dean et al	do	759.8
	Leslie J. Allen	do	65. 2 101. 1
	Jno. A. Kiernan Leslie J. Allen  W. E. Hill do Wm. D. Jorden do Jas. C. Keely Thos. A. Bray Geo. A. Bond A. M. Adams A. J. Murray	do	40.0
	W. E. Hill	Services	101.1
	do	Traveling expenses	3. 7. 101. 1 43. 0
	Wm. D. Jorden	Services	101.1
	Jas C Keely	Services	101.1
	Thos. A. Bray	do	101.1
	Geo. A. Bond	do do	101.10 101.10 101.10
	A. M. Adams	do	101.1
	A. J. Murray	do	10.0
	W. N. D. Bird	Traveling expenses	5. 5 101. 1
	do.	do Traveling expenses Services Traveling expenses	1 1
	Dan McCunningham	Services	101.1
	C. H. Blemer	do	117.9
	do	Traveling expenses	101. 1 117. 9 9. 9.
	Thos. L. Kice.	Services	101.10
	do	do do	55. 26 26. 10
	W. N. D. Bird do do Dan McCunningham C. H. Blemer do Thos. L. Rice do J. J. Summerfield L. A. Klein	do Traveling expenses Services Traveling expenses do do Services Traveling expenses Traveling expenses Traveling expenses	5. 5
	L. A. Kleindo	Services	101.10
	do	Traveling expenses Services Traveling expenses	102.50 117.9
	W. B. Niles	Services	117.9
	- do	Traveling expenses	15.00
	do	office expenses	3. 90 4. 80
		UV	2.0

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899 - {\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
1899.			
an. 19	Fredk. Braginton	Office expenses	\$3.
	A. B. Morse R. P. Steddom Jno Forbes	Office expenses	37.
	R. P. Steddom	Traveling expenses	37.
	Jno. Forbes	Office expenses	3.
	Jno. Forbes L. R. Baker J. F. Ryderdo F. M. Hunter W. H. Wraydodo F. M. Perrydo Jno. A. Bell	do	1.
	J.F. Ryder	Services	168 45 84
	do	Traveling expenses	45.
	F. M. Hunter	Services	84.
	W.H. Wray	Traveling expenses	387
	do	do Office expenses Services Traveling expenses Services Traveling expenses Services  do	11. 2. 100
	do	Office expenses.	2.
	F. M. Perry	Services	100
	do do J.T. Osmond. H.P. Armsby Chas. Cowie do do do	Traveling expenses	46 40 6 50
	Jno. A. Bell	Services	40.
	do	Traveling expenses	6
	J. T. Osmond	Services	50.
	H. P. Armsby	do	84 105 3 52
	Chas. Cowie	Traveling expenses	105
	do	Traveling expenses	3
	C. L. Morin	Services	52
	Gladaid Coming R 1 C	Services Traveling expenses Copying reports Flasks	
	Chadwick Copying Book Co	Copying reports	23 2 13
	w nitnail, Tatum & Co	rasks	. 2
	Great Falls Ice Co.		13
	do Chadwick Copying Book Co Whithall, Tatum & Co Great Falls Ice Co. United States Electric Lighting Co C. R. Edmonston	Electric current Filter tubes	4 24
	C. R. Edmonston	ritter tubes	24
	C. R. Edmonston. Don C. Ayer W. B. Niles S. G. Burkholder Jno. McBirney I. K. Atherton A. E. Wagner A. J. Payne H. N. Waller C. A. Schaufler W. B. Moses & Sons C. H. Zink Rudolph, West & Co Geo. F. Muth & Co E. S. Schmid W. B. Moses & Sons W. G. Orr & Co E. A. de Schweinitz Marion Dorset D. E. Salmon	Office expenses Traveling expenses)	1
	C. C. Dunkhaldon	Colony	6 50
	Ino MoDinnor	Office emperged	90
	I IZ Athenton	Omce expenses	30
	A F Wagner	do Services Office expenses	44
	A. T. Povno	Office expenses	7
	H X Wallay	do	44 7 8
	C A Schauffer	do	Q
	W P Mosos & Sons	do Carpet, etc Office expenses	8 62 3
	C H Zink	Office expenses	9
20	Pudolph Wort & Co	Supplies	21
AU	Goo F Muth & Co	Supplies	41
	F S Schmid	Proposed food	1
	W R Mosos & Sons	Chimneys. Prepared feed Furniture, etc	216
21	W. G. Orr & Co	Glace jare	×10
(4 I	E. A. de Schweinitz	Glass jars	12 12 24
	Marion Dorgat	Traveling expenses	24
	D. E. Salmon	do	ĩi
23	Belt R. R. Stock Yard Co. Brandon Printing Co. Cutler & Neilson Paint and Color Co. Wyandotte Gas Co. W. H. Creed.	do do Office rent Desk and chair	166
23 24	Belt R. R. Stock Vard Co	Office rent	30
(4 X	Brandon Printing Co	Desk and chair	25
	Cutler & Neilson Paint and Color Co		5
	Wyandotte Gas Co	Gas	5 11 10
	W. H. Creed	Books for microscopic work	10
	C.O. Bassett	Gas. Books for microscopic work Repairing typewriter	-8
	Knickerbocker Ice Co	Ice	5
	Doane Bros	Furnishing and fitting boards.	3
	Rudge & Morris Co	Desks	3 22
	W. H. Creed C. O. Bassett Knickerbocker Ice Co Doane Bros Rudge & Morris Co Iowa Telephone Co Central Union Telephone Co E. A. Conway Coal Co do L. Berger	Telephone service Telephone rent Coal	. 6
	Central Union Telephone Co	Telephone rent	. 18 7 7
	E. A. Conway Coal Co	Coal	7
	do	do	. 7
	L. Berger	Hauling	i)
	Omaha Steam Laundry Co	Washing towels	5 150
	Office Toilet Supply Co	do	150
	C. W. Stiles	Traveling expenses	204
25	C. W. Stiles Boston Gas Light Co. Merchants' Refrigerating Co.	do Hauling Washing towels do Traveling expenses Gas Storing and inspecting butter,	10 87
	Merchants' Refrigerating Co	Storing and inspecting butter,	87
	W. H. Rose	Office expenses	12
	Joshua Miller	do	6
	W. H. Rose Joshua Miller N. C. Sorensen	do d	15
	A. M. Rork	Traveling expenses	15 22
	T. A. Shipley	Office expenses	18
	F. T. Shannon	do	18 2 8
	Geo. C. Faville	Traveling expenses	8
	N. C. Sorensen A. M. Rork T. A. Shipley F. T. Shannon Geo. C. Faville do The Chesapeake and Potomac Telephone	Traveling expenses Office expenses Rent of telephone	11
26	The Chesapeake and Potomac Telephone	Rent of telephone	19
	Co.		
	J. A. Turner Co. A. Wilson & Bro. Adams Express Co.	Rent of office Green feed for animals	36
28	A. Wilson & Bro	Green feed for animals	11 9
140		m + / ·	0
140	Adams Express Codo	Transportationdo	1

Date	Name.	Nature of payment.	Total.
1899.			
Jan. 30	The Chicago, Burlington and Quincy R. R.	Passenger transportationdodo	\$17.50 11.90
	Co. Galveston, Harrisburg and San Antonio	ĝo	10.10
	R.R.Co. Burlington and Missouri River R. R. in	do	10.5
	Nebraska. Southern Pacific R. R. Co	do	21.4
	Chicago, Milwaukee and St. Paul Rwy. Co. Chicago Great Western R. R. Co.	do	15. 1- 14. 0
	Southern Pacific R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co. Chicago Great Western R. R. Co. Pittsburg, Cincinnati, Chicago and St. Louis R. R. Co. Vandalia Line	do	8.0
	do	do	$\begin{array}{c} 1.0 \\ 25.6 \\ 15.0 \end{array}$
	do N. C. Sorensen The Kansas City Stock Yards Co., of Missouri.		15.0 45.0
	St. Louis National Stock Yards	Soap	75.0 3.7
	G. W. Tourtellot	Office rent	3. 7. 135. 0
	Silver Laundry and Towel Co	Towel service	33. 6 2. 7 23. 0
	St. Louis National Stock Yards. R. H. Williams. G. W. Tourtellot. Silver Laundry and Towel Co. J. W. Timmer. S. E. Bennett. do. Packers' National Bank. J. S. Slott. W. A. Tagggart.	Soap Office rent Towel service Hatchets, etc Use of saddle horse Office expenses Office rent Unk etc	23.0 10.3
	Packers' National Bank	Office rent	165.0
	W. A. Taggart	Ink, etc Boarding horse	2. 7 12. 5
	St. Joseph Stock Yards Co	Boarding horse	30.0
	W. A. Taggart. St. Joseph Stock Yards Co. Butter Merchandise Co. Missouri and Kansas Telephone Co. John Forbes	Oil, etc. Telephone rent. Care horse and buggy Use horse and buggy Rent of office.	3.8 12.5
	John Forbes A. E. Behnke	Care horse and buggy	45.0 35.0
	B. P. Oliver	Rent of office	60.0
	O. E. Dyson	Use horse and buggy. Use horse Use horse and buggy Use horse and buggy Use horse	29.0 15.0
	H. W. Hawley	Use horse and buggy	69.0
	Union Stock Yards and Transit Co	Office rent	15 0 45.0
	Jahan & Byrne Cleary Bros	Use of horse and buggy	900.0 27.0
	John Forbes A. E. Behnke B. P. Oliver F. T. Shannon O. E. Dyson H. W. Hawley O. J. Lanigan Union Stock Yards and Transit Co. Jahan & Byrne Cleary Bros Albert Dean The Merle & Heaney Manufacturing Co. Armour Packing Co. Emery Bird Thayer Dry Goods Co Goodyear Rubber Co. Nebraska Telephone Co. State National Bank of St. Joseph Electric Toilet Supply Co Goes Lithographing Co. Wm. E. Pratt E. J. Brooks & Co. Standard Oil Co. F. L. Russelldo G. W. Ward	Office expenses	8.3
	Armour Packing Co	Table Telephone service	4. 5 11. 0
	Emery Bird Thayer Dry Goods Co	Office expenses Table Telephone service Toilet paper Chair tips Telephone rent Office rent Toilet supply Stamps do Hog rings Disks Oil Services Traveling expenses Services Traveling expenses Use horse and buggy Office rent Telephone services Office rent Telephone services	7.5 5.7
	Nebraska Telephone Co	Telephone rent	12.6
	Electric Toilet Supply Co.	Toilet supply	15.0 15.0
	Goes Lithographing Co	Stamps	734. 2 46. 6
	Wm. E. Pratt	Hog rings.	5.6
	E.J. Brooks & Co	Disks	6.5 48.6
3	F. L. Russell	Services	152.0
	do G. W. Ward	Services	88. 44 70. 0
	Geo. E. Gangloff	Traveling expenses	17.10 90.0
	do Geo. E. Gangloff The East Buffalo Live Stock Exchange Co. The Bell Telephone Co. B. H. Adams B. H. Adams	Office rent	90.0
	B. H. Adams	Telephone services	12.0 40.0
	B. H. Adams R. W. Hickman The New York Telephone Co. James Stikeman New York Telephone Co.	Office expenses	
	James Stikeman	Office rent	22.5 125.0 14.1
	New York Telephone Co	Telephone service	14. 1 13. 0
	A. G. G. Richardson	Use horse and buggy	40.0
	J. W. Bond Co	Copying press	42.0 6.5
	New York Telephone Codo	Office rent	31. 2. 40. 00
	Bay State Clean Towel and Furnishing Co.	Towel supply	39.23
	Geo. F. Thompson et al	Office rent	120.00
eb.	N. R. Gill The Bell Telephone Co. Bay State Clean Towel and Furnishing Co. Benj. Adams Geo. F. Thompson et al. Chicago Car Seal and Manufacturing Co.	Supplies	1,779.08 442.50
	International and Great Northern R. R. Co- Kansas City, St. Joseph and Council Bluffs R. R. Co. Jno. P. Nawrath Whitall, Tatum & Co	Office rent Office expenses Telephone service Office rent Telephone servicedo Use horse and buggy Telephone service. Copying press Office rent Service Towel supply Office rent Salaries Suppliesdo Passenger transportationdo	348.77 4.60 4.68
	Jno. P. Nawrath	Twine	9.50
	Whitall, Tatum & Co	Flasks	3.9

Date.	Name.	Nature of payment.	Total
1899.			
eb. 1	Kny, Sheerer & Co American Railway Supply Co Dennison Manufacturing Co	Thermometers	\$3. 13. 21. 24.
	American Railway Supply Co	Tags Fasteners	13.
	Dennison Manufacturing Co	Fasteners	21
		Tags Supplies Supplies Tags	24.
	do do	Supplies	24.
	do	To ata	30 226
	do	Tags	220
	Thos. Somerville & Sons	Paneiring shafting ata	360
	do	Supplies	5
	Burlington and Missouri River R. R. in Nebraska.	do	6. 5 8.
	Star Union Line	do	1
3	Star Union Line Ch. Wardell Stiles	Sarrigas	300 227 9
9	do	Services	997
	do	Office expenses	221
	T A Goddog	Traveling expenses	90
	Missouri Kansas and Texas Rwy Co	Passenger transportation	29 20 5
	The Missouri Pacific Rwy Co	do	5
	United States Express Co	Transportation	8 936 489 215
	W H Rose et al	Solorios	926
	H A Hadrick at al	Traveling expenses Office expenses Traveling expenses Passenger transportationdo Transportation Salariesdo	480
	G M Rrumbangh	Sarvices	215
4	do T. A. Geddes Missouri, Kansas and Texas Rwy. Co. The Missouri Pacific Rwy. Co. United States Express Co. W. H. Rose et al H. A. Hedrick et al G. M. Brumbaugh International Office Toilet Supply Co. Julius Huelsen Julius Huelsen Julius Richardson	Services Towel supply Office expenses Salaries Office expenses	15
-	Julius Huelsen	Office expenses	15 13 609
	Julius Huelsen et al	Salaries	609
	A. G. G. Richardson A. G. G. Richardson et al W. M. Balmer et al Jas. Sullivan	Office expenses	6
	A G G Richardson et al	SalariesdoCoal, etc	804 957 5
	W. M. Balmer et al	do	957
- 7	Jas. Sullivan	Coal. etc.	5
- /	do Webb Bros. Co. The Consumers Co. J. Haberle.	do	19
	Webb Bros. Co	Pine slabs	15
,	The Consumers Co	Ice	15
	J. Haberle	Repairing lock boxes	11
	Jas. Stewart	Services and supplies	7
	Chicago Telephone Co	Telephone services	87 87
-	Goes Lithographing Co	Supplies	70
	Pacific Telephone and Telegraph Co	Telephone rent	30
6	Jno. C. Parker	Supplies	12
	H. N. Waller et al	Salaries	12 374
	Geo. Ditewig et al	do	258
	A. M. Rork et al	do	134
	Fredk. Braginton et al	do	182 810
7	C. A. Schäufler et al	do	810
	Morris Wooden et al	do	1,811
	F. W. Huntington et al	do	157
	R. W. Hickman et al	do	1,986 1 10
	do	Office expenses	1
	W.H. Butler	Glass for window	10
	H.E. Alvord	Traveling expenses	19
8	E. P. Schaffter et al.	Salaries	882 952
	L. K. Baker et al	00	952
	Unadwick Copying Book Co	Copying books	20 7
	J. F. NaWrath	Comes	01
	Missouri Pacific Pryr. Co	Transportation	25
	Purlington and Missouri Pivor P P in	do do	18 18
-	J. Haberle Jas. Stewart Chicago Telephone Co Goes Lithographing Co	u0	10
	do	do	. 7
	W. S. Cass et al	Salaries	. 926
	W. S. Cass et al W. C. Barth et al W. H. Gibbs et al N. C. Sorensen et al	do	198
	W. H. Gibbs et al	do	198 242 440
	N. C. Sorensen et al	do	440
		Omce expenses	33
	C. H. Blemer William Thompson T. J. Turner	Traveling expenses	. 8
	william Thompson	Omce expenses	8 16 18
	T.J. Turner	do	18
	J. J. Brougham	ao	6
	D. W. Willson	Traveling expenses	37 54
	J. H. Monrad	do Traveling expenses do Office expenses	54
0	J. J. Brougham D. W. Willson J. H. Monrad Geo. S. Baker Geo. C. Faville et al	Office expenses	3
9	G II Zink et al	Salaries	346
	C. H. Zink et al A. E. Behnke et al J. J. Brougham et al Jas Irwin	do	1, 129 1, 096 1, 620
	A. E. Bennke et al		1,096
	J. J. Brougham et al.	Services	1,620 86
			86
	Jas. irwin	Bervices	100
	Jas. trwin I. K. Atherton	do	120.
	Jas. Irwin I. K. Atherton A. B. Morse C. M. Day E. P. Dowd et al	do	120. 120. 120.

Date.	Name.	Nature of payment.	Total.
1899.	Jno. McBirney et al Jno. Forbes et al. S.E. Cosford et al A. J. Payne et al Don C. Ayer et al H. B. Davidson Saml. E. Bennett et al. S. Stewart et al. Benj. S. Paddock et al E. Balzer et al W. S. Devoe et al H. G. Arnold et al O. B. Hess V. A. Norgaard T. J. Turner et al E. N. Hutchinson et al J. W. Harris Chas. Cowie C. L. Morin T. D. Ketchum et al	0.1	600W 00
Peb. 9	Jno. McBirney et al	Salaries	\$267.80 1,904.73 165.30 597.73 4,152.30 50.00 4,673.70
	S. E. Cosford et al	do	1, 904. 75
1	A. J. Payne et al.	do	597.73
	Don C. Ayer et al.	do	4, 152.30
	H. B. Davidson	Rent of land	50.00
10	Saml. E. Bennett et al.	Salaries	9 766 79
11	S. Stewart et al	do	2,766.73 391.17 5,844.54 8,086.46
11	E. Balzer et al	do	5, 844, 54
	W. S. Devoe et al	do	8,086.46
1	H. G. Arnold et al	do	2,736.00
	U. B. Hess	Services	2,736.00 120.60 54.95 1,505.60
	T. I. Turnar at al	Salaries	1 505 60
	E. N. Hutchinson et al	do	213.30
15 16	J. W. Harris	Labor	9.00
16	Chas. Cowie	Services	15.00
	C. L. Morin	do	16.00
1	Arabb MaRrido et al	Salaries	454.49 173.17 361.37
	Wm. A. Heck et al	do	361.37
	W. S. Devoe et al H. G. Arnold et al O. B. Hess V. A. Norgaard T. J. Turner et al E. N. Hutchinson et al J. W. Harris Chas. Cowie C. L. Morin T. D. Ketchum et al Archb. McBride et al Wm. A. Heck et al F. L. De Wolf et al F. T. Shannon et al Lowell Clark et al A. R. Wake et al T. A. Shipley et al Joshua Miller et al H. P. Armsby J. H. Monrad C. M. Day	do	1, 019, 34
	F. T. Shannon et al	do	399.60 1,460.38
100	Lowell Clark et al.	do	1,460.38
17	T. A. Shipley et al	00	815.00
	Joshua Miller et al	do	663.78
	H. P. Armsby	Services	891.34 663.78 86.10
	J. H. Monrad	do	120.00 26.00
	C. M. Day	Traveling expenses	26.00
18			89. 54 723. 20
10	C H Blemer	Sarvices	120.60
	W. N. D. Bird	do	103.30
	W. E. Hill	do	103.30 103.30
	C. J. Sihler	do	103.30
	Coo A Pond	00	103.30
	Albert Dean et al C. H. Blemer W. N. D. Bird W. E. Hil C. J. Sihler T. L. Rice Geo. A. Bond Jas. C. Keely T. A. Bray L. J. Allen A. M. Adams Danl. McCunningham W. D. Jorden S. J. Murray Geo. S. Baker et al Wm. Thompson et al Thos. Castor et al	do	103.30 103.30
	T. A. Brav	do	103.30 103.30 103.30 103.30
	L.J. Allen	do	103.30
	A. M. Adams	do	103.30
	Danl. McCunningham	do	103, 30
	S.I. Murray	do	103.30
	Geo. S. Baker et al	Salaries	103.30 103.30 726.80
	Wm. Thompson et al	do	1 266 02
	Thos. Castor et al	do	1,148.80
	Harry M. Ball et al.	do	1, 148. 80 1, 124. 79 581. 70
	Goo S Baker	The reling or page	14.50
	T. L. Rice	do	7.10
1	C. J. Sihler	do	14.50 7.10 4.50
	will. Thompson et al Thos. Castor et al Harry M. Ball et al Jno. R. Mohler et al Geo. S. Baker T. L. Rice C. J. Sihler Jno. A. Kiernan Albert Dean	do	5.00
20	Albert Dean Jno. A. Kiernan W. H. Wraydo	do	21.05
20	W H Wray	Services	40.00 387.50
	W.H. Wray	Traveling expenses	11.16
1	do	Office expenses	3.10
1	do J:F. Ryder do	Services	3.10 172.20 45.00
1	do	Traveling expenses	45.00
	F. M. Hunter	Services	86.10
1	Archibald McRride	Office or ponses	52.30 1.50
	F. M. Hunter D. R. Way Archibald McBride E. L. Volgenau do	Traveling expenses	4.00
21	do	do	16.75
	A. M. Adams H. N. Waller	Traveling expenses Office expenses Services Traveling expenses Services Traveling expenses Traveling expenses Office expenses do do Office expenses Traveling expenses Office expenses	2.50 16.60
	H. N. Waller	Office expenses	16.60
	Geo C Faville	Office expenses	23.69 6.60
	W. H. Rose	do	13.15
	H. N. Waller W. C. Honan Geo. C. Faville W. H. Rose J. J. Brougham W. D. Jorden C. H. Morse F. D. Ketchum J. D. Ketchum J. D. M. Waller	Office expensesdododr	4.95
1	W. D. Jorden	Traveling expenses	60.88
	C. H. Morse F. D. Ketchum Jno. McBirney W. N. D. Bird W. S. Cassdo	do	20.15
	Jno McRirney	0D	14.57 14.75
	W. N. D. Bird	Office expenses Traveling expenses	12.65 2.00
	W7 C C	0.00	2,00
	W.S. Cass	Office expenses	2.00

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 21	S. E. Cosford	Traveling expenses	\$31.
	S.J. Murray	do	5.
	S. E. Cosford S. J. Murray G. A. Bond J. M. Turner C. A. Schaufler F. T. Shannon R. L. Cooper do J. W. Davis B. H. Adams W. B. Niles F. L. Russell	do	5. 26. 2.
	J. M. Turner	do	2.
	U. A. Schauner	Unce expenses	9.
	P. I. Cooper	Use norse and buggy	29. 27.
	do	do	31.
	J. W. Davis	do	16.
	B. H. Adams	Office rent	40.
	W. B. Niles	Services	120.
23	F. L. Russell	Traveling expenses do	144.
	do C. L. Morin Wm. A. Rushworth	Traveling expenses	77.
	C.L. Morin	do	2.
	Wm. A. Rushworth	do	1
	G. W. Warddo J. H. Monrad	Gervices Traveling expenses Services Traveling expenses	40
	T TT M 3	Traveling expenses	10 42 15
	J. H. Monrad	Services	42
	Chag A Plaman	Traveling expenses	10
	P P Stoddom	do	16
	Wm Thompson	do do Office expenses	79 17
	E. A. Conway Coal Co	Coal	7
	A. E. Behnke	Use horse and buggy	7 35
	J. H. Harley	Roller	8
	A. G. G. Richardson	Use horse and buggy	40
	J. H. Monraddo Chas. A. Blemer R. P. Steddom Wm. Thompson E. A. Conway Coal Co A. E. Behnke J. H. Harley A. G. G. Richardson St. Louis National Stock Yard S. E. Bennett	Use horse and buggy Use horse and buggy Use horse and buggy Office rent Use saddle horse do	75
	S. E. Bennett O. J. Lanigan	Use saddle horse	23
	O. J. Lanigan	do	23 15
	O. J. Lanigan O. E. Dyson A. M. Rothchild & Co Cleary Bros The White, Corbin & Co E. A. de Schweinitz A. Hoen & Co Library Bureau Western Union Telegraph Co do	do Green cloth Use horse and wagon Supplies Office expenses Maps. Cards Telegraph service do Electric current. do Lumber, etc Hauling	15
	A. M. Rothchild & Co	Green cloth	3
	Cleary Bros.	Use horse and wagon	26 38
0.1	The White, Corbin & Co	Supplies	38
24	E. A. de Schweinitz	Office expenses	22
	A. Hoen & Co	Maps	150
or.	Library Bureau	Cards	3 21
25	Western Union Telegraph Co	Telegraph service	21
		Tile at via anymout	12 13 7
	United States Electric Lighting Codo	Electric current	10
	Church & Stonborgon	Lumbon oto	173
	Marchants' Parcel Delivery Co	Hauling	5
	Washington Gas Light Co	HaulingGas	34
	Standard Oil Co	Oil	34 4 60
	Adams Express Co	Oil Transportation	60
	A. Wilson & Bro	Green feed Shoeing horse, etc.	9
	Wm. Lochte	Shoeing horse, etc	3
	The J. C. Ergood Co	Soap	7
	W. M. Galt & Co	Oats	3
	do Church & Stephenson Merchants' Parcel Delivery Co Washington Gas Light Co Standard Oil Co Adams Express Co A. Wilson & Bro Wm. Lochte The J. C. Ergood Co W. M. Galt & Co Rudolph, West & Co Mackall Bros Z. D. Gilman	Suppliesdo	10 52
	Mackall Bros	do	52
	Z. D. Gilman	do	29
		Challs	18
	do H. E. Alvord	Chalk Traveling expenses	1 113
		do de	124
27	R. A. Pearson  Burlington, Cedar Rapids and Northwestern Rwy. Co.  L. Berger  W. A. Taggart  Knickerbocker Ice Co.  Miller Lock Co.	Transportation	124
7.	ern R.wv. Co.	Timpor ontion	1
	L. Berger	Hauling	. 3
	W. A. Taggart	Use horse	10
	Knickerbocker Ice Co.	Lock boxes Wis. curd test	6
	Miller Lock Co	Lock boxes	180
	A. J. Decker Hoard's Creameries Albert Lea Dairy Co W. S. Devoe Harry E. Overstreet	Wis. curd test	10
	Hoard's Creameries	Butter	986 1,007
	Albert Lea Dairy Co	do	1,007
	W.S.Devoe	Office expenses	67.
	Harry E. Overstreet	Transportation	
90	Delaware, Lackawanna and Western R. R.	TransportationdoPassenger transportation	0
28	Delaware, Lackawanna and Western R. R.	Passenger transportation	3.
	Co.	do	7.
	Chicago, St. Paul, Minneapolis and Omaha		4.
	Rwy. Co.	do	3
	Michigan Control R R Co.	do	13
	Michigan Central R. R. Co Galveston, Harrisburg and San Antonio	do	13. 30.
	Rwy Co		00.
	Pennsylvania R. R. Co	do	38.
	Pennsylvania R. R. Co The Office and Library Co. Great Falls Ice Co. C. Voigt.	Supplies Ice Badges	10.
	and office with this total y Comments	~ "bbmop , ,	10
	Great Falls Ice Co	Ice	10.

Date.	Name.	Nature of payment.	Total
1899.		-	
b. 28	F. M. Perry	Services	\$80
	F. M. Perry Jno. A. Bell	Services	\$80 64
		Traveling expenses	8 38 1,805
	F. M. Perry Geo. F. Thompson et al. New York Telephone Co. White Star Line American Railway supplies do Dennison Manufacturing Co.	Colonica	1 905
r. 1	New York Telephone Co	Telephone rent	1, 800
1. 1	White Star Line	Transportation	5
2	American Railway supplies	Tags	13
	do	do	13 3
	Dennison Manufacturing Co	do	52 9 3 19
	E I Procks & Co	Dielze	9
	American Express Co	Transportation	19
	Dennison Manufacturing Codo  E. J. Brooks & Co American Express Co E. A. Conway Coal Co Pomeroy's El Paso Transportation Co Chicago Car Seal and Manufacturing Co do do	Disks Transportation Coal Use saddle horse	7
	Pomeroy's El Paso Transportation Co	Use saddle horse	7 66
	Chicago Car Seal and Manufacturing Co		678
	Goes Lithographing Co	Stamps Certificates of meat products Passenger transportation	678 552 313
	do Pennsylvania R. R. Co Burlington and Missouri River R. R. in Ne-	Passangar transportation	45
	Rurlington and Missouri River R. R. in No.	do	31
	braska		91
	St. Louis and San Francisco R. R. Co. International and Great Western R. R. Co.	do	. 2
	International and Great Western R. R. Co.	do	4
	Kansas City, Fort Scott and Memphis R. R.	do	9
	Kansas City, Fort Scott and Memphis R. R. Co. W. B. Moses & Sons Chicago and Northwestern Rwy. Co. C. W. Stiles Sarah Richards. Julius Huelsen et al. C. A. Schauffer et al. H. A. Hedrick et al. F. W. Huntington et al. C. H. Zink et al. A. G. G. Richardson et al. Wm. M. Balmer et al. Wm. M. Balmer et al. W. H. Rose et al. E. P. Dowd et al. Morris Wooden et al. H. C. Jones Library Bureau V. H. Brown & Co. J. C. Keeley L. J. Allen Jno. A. Kiernan R. P. Staddom	Carmets etc	25
4	Chicago and Northwestern Rwy Co	Passenger transportation	16
	C. W. Stiles	Services	300
	Sarah Richards	Washing towels	2
6	Julius Huelsen et al.	Salaries	589
	U. A. Schauffer et al	do	716 441
	F W Huntington et al	do	1/1
	C. H. Zink et al	do	141 938
	A. G. G. Richardson et al	do	7/19
	Wm. M. Balmer et al	do	812
	W. H. Rose et al	do	812 846 164
7	E.P. Dowd et al.	do	1 64
•	R. W. Hickman et al	do	1,618 1,798
	H. C. Jones	Line engraving	1, 100
	Library Bureau	Cards	8
0	V. H. Brown & Co	Transportation	10
8	J. C. Keeley	Services	93
	Ino A Kieman	do	93 93
	R. P. Steddom	- do	98
	A. M. Adams	do	98
	L. A. Klein	do	92
	C. H. Blemer	do	108 93
	W. E. Hill	do	98
	Danl. McCunningham	do	98
	S. J. Murray	do	98 98
	Thos. L. Rice	do	99
	L. J. Allen Jno A. Kiernan R. P. Steddom A. M. Adams L. A. Klein C. H. Blemer W. E. Hill Thos, A. Bray Danl, McCunningham S. J. Murray Thos, L. Rice W. D. Jorden Geo, A. Bond	do	98
	Geo. A. Bond	do	98
	Nellie Callaghan	do	98
	W. N. D. Bird	do	98
	L. R. Baker et al	Salaries	98 860
	A. M. Rork et al	do	163
	H. M. Ball et al	do	163 1, 058 679
	H N Waller et al	do	678
	E.P. Schaffter et al	do	360 746
	B. S. Paddock et al	do	412
	Jno. McBirney et al	do	238
	Albert Dean et al	do	466
	G. C. Forville et al.	do	2 101
	N. C. Sorensen et al	00 do	300
	Fredk, Braginton et al	do	328 398 164
	Geo. Ditewig et al	do	233
9	E. Balzer et al	do	6,872
	United States Electric Lighting Co.	Electric current	233 6, 872 9
	W. D. Jorden Geo. A. Bond Geo. C. Moser Nellie Callaghan W. N. D. Bird L. R. Baker et al A. M. Rork et al H. M. Ball et al T. A. Shipley et al H. N. Waller et al E. P. Schaffier et al B. S. Paddock et al Jno. McBirney et al Albert Dean et al S. Stewart et al S. Stewart et al G. C. Faville et al N. C. Sorensen et al Fredk. Braginton et al Geo. Ditewig et al C. Balzer et al United States Electric Lighting Co Wm. Lochte W. B. Moses & Sons Louis Hartig Z. D. Gilman	Shoeing horses	3
	Louis Hartig	Rugs, etc Tacks Eye shades Supplies	96
	7 D Cilman	Ewo shedos	57

ate.	Name.	Nature of payment.	Total
899.			
r. 9	The Chesapeake and Potomac Telephone Co do W. S. Devoe et al F. L. DeWolf et al.	Telephone service	\$93
10	W. G. Dt -1	do	6, 963 923
10	W.S. Devoe et al	Salaries	0,963
	A J Payne et al	do	569
	W. S. Cass et al	do	562 837
	Lowell Clarke et al	do	1,983
	F. L. DeWolf et al A. J. Payne et al W. S. Cass et al Lowell Clarke et al S. E. Bennett et al S. E. Sennett et al S. E. Cosford et al W. E. Barth et al W. H. Gibbs et al Joshua Miller et al Frank D. Ketchum et al Jas. P. Ray Jas. Irwin C. M. Day A. B. Morse G. M. Brumbaugh Ernst L. Volgenau F. M. Hunter W. H. Wray	do	1,983 4,128
	S. E. Cosford et al.	do	149
	W. E. Barth et al.	do	171
	Joshua Millar at al	do	219 555
	Frank D. Ketchum et al	do	584
	Jas. P. Ray	Services	17
	Jas. Irwin	do	584 17 77 108
	C. M. Day	do	108
	A. B. Morse	do	108
11	G. M. Brumbaugh	00	194
11	F M Hunter	do	73 77
	W. H. Wray	do	350
	V. A. Norgaard	Office expenses.	6
	H. B. Davidson	Rent of land	50
	F. M. Hunter W. H. Wray V. A. Norgaard H. B. Davidson Don C. Ayer et al Jno. Forbes et al T. J. Turner et al Thos. Castor et al Wm. Thompson et al J. J. Brougham et al E. W. Barthold et al W. A. Heck et al Jno. R. Mohler et al	Salaries	3, 183
	Jno. Forbes et al	do	1,519
	Thos Castor et al	do	1,270 1,176 1,154
	Wm. Thompson et al	do	1, 154
	J. J. Brougham et al	do	
	E. W. Barthold et al	do	1,280 354 697
13	W. A. Heck et al	do	354
	Jno. K. Mohler et al.	do	1 000
	A. E. Behnke et al	do	1,002 108
	Frank T. Shannon et al	do	348
	Geo. S. Baker et al	do	348 656
	Bernard Cunningham et al	do	408
	A. E. Behnke et al O. B. Hess et al Frank T. Shannon et al Geo. S. Baker et al Bernard Cunningham et al E. N. Hutchinson et al. Chas. Cowie F. M. Perry Jno. A. Bell	do	197 30
	Chas. Cowie	Services	30
	Ino A Poli	00	75 64
	Ira K Atherton	do	108
	A.J. Murray	do	20
	W. S. Cass	Office expenses	2 59
1.4	Chas. M. Day	Traveling expenses	59
14	Jno. A. Bell Ira K. Atherton A. J. Murray W. S. Cass Chas. M. Day Jno. McBirney H. B. Waldron Frank Canon	do	52 41
	Frenk Cenon	do	14
	W. C. Honan	do	21
	Geo, S. Baker	do	14
	Albert Dean	do	11 10
	W. C. Holian Geo. S. Baker Albert Dean A. J. Murray Wm. D. Jorden Dan McCunningham Geo. C. Moser Lutz & Co Emil Greiner	do	10
	wm.D.Jorden	do	10
	Geo C Moser	do	20
	Lutz & Co	Surcingles	20 28 20
	Emil Greiner	Supplies	4
	The Kny Scheerer Co	Supplies Glass tubing, etc	5
	Chadwick Copying Book Co	Copying books	23
	Emil Greiner The Kny Scheerer Co Chadwick Copying Book Co. C. L. Morin W. H. Rose.	Services	28 16
	Goes Lithographing Co	Office expenses	20
	Wm. E. Pratt	Hog rings	24
	Goes Lithographing Co Wm. E. Pratt Albert Lea Dairy Association	Hog rings Butter	960
15	Joshua Miller Wm. Thompson	Office expenses	6
	Wm. Thompson	Butter	6 15 117
	Cornish, Curtis & Greene Manufacturing Co.	Dutter	117
	Washington Gas Light Co	Gas	38
	M. G. Copeland & Co	Flag	6
	Washington Gas Light Co M. G. Copeland & Co W. M. Galt & Co Jos. M. Turner A. G. G. Richardson	Flag Feed for animals Traveling expenses	$\frac{6}{380}$
16	Jos. M. Turner	Traveling expenses	5
	A. G. G. Richardson	Use of norse and buggy	40
	B. H. Adams	Office rent Freight on butter	40 24
	B. H. Adams Pennsylvania R. R. Co Chicago, Burlington and Northern R. R.	Passenger transportation	ĩi
	Co.	Por total	
	Galveston, Harrisburg and San Antonio	do	25

### Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Iar. 16	Kansas City, Fort Scott and Memphis R. R. Co.	Passenger transportation	\$8.05
	Southern Pacific Co	do	13.05
17	E. A. de Schweinitz Church & Stephenson Jno. A. Bell C. L. Morin	Office expenses	14. 48 61. 85 9. 12
11	Jno. A. Bell	Lumber Traveling expenses	9. 12
	C. L. Morin	Traveling expensesdo	5. 15
	H. P. Armsby Bernard P. Wende L. A. Robinson	Traveling expenses	77.80 .85
	L. A. Robinson	do	4.25
	G. W. Ward	Services	55.00 155.60
	G. W. Ward J. F. Ryder W. H. Wray Thos, Castor	Traveling expenses	10.68
	Thos. Castor	do	18.50
	Austin Smith A. R. Wake et al D. R. Way Chas. H. Blemer	Salaries	14.40 769.37
	D. R. Way	Traveling expenses	20.72
	Geo A Bond	do	10.70 39.10
	Geo. A. Bond W. S. Cass	do	5.30
	C.J. Sihler	do	14.15 38.65
	H. E. Alvord The Louis Hax Furniture Co. Chicago Car Seal and Manufacturing Co.	Traveling expenses	40.40
18	The Louis Hax Furniture Co	Tables	138.60
1	Chicago Car Seal and Manufacturing Co	Supplies	768. 75 41. 25
	Goes Lithographing Co	Traveling expenses Tables Supplies do do	41.25 331.32
20	Chicago Car Seal and Manufacturing Codo Goes Lithographing CoWm. E. Pratt F. L. Russell Geo. C. Faville Ge. W. Ward United States Express CoPostal Telegraph Cable Codo The Geo. W. Knoy Express Co.		2.53 24.00
20	Geo. C. Faville	Gervices Office expenses Traveling expenses Transportation Telegraphing do Transportation	4.20
	G. W. Ward	Traveling expenses	14.95
	Postal Telegraph Cable Co	Transportation	6.60 2.90
	do	do	1.26
	do	do	. 37 18. 69
21	Rudolph, West & Co	Nails, hinges, etc.	20.38
.00	The Geo. W. Knox Express Co	Transportation Nails, hinges, etc Traveling expenses	39.70
22	C. J. Dunn F. L. Russell Chas. Cowie	Satchel Traveling expensesdo Office expenses	3.00 16.45
	Chas. Cowie	do	1.50
	Chas. Cowie. Julius Huelsen St. Louis National Stock Yards Albert E. Behnke Samuel E. Bennett Frank T. Shannon Jno. A. Kiernan L. A. Klein S. J. Murray L. J. Allen R. P. Steddom W. C. Barth D. R. Way	Office expenses	4.05 75.00
	Albert E. Behnke	Use horse and buggy	35, 00
	Samuel E. Bennett	Use saddle horse	23.00
- 1	Jno. A. Kiernan	Traveling expenses	29.00 9.35
	L. A. Klein	do	9.10
	S.J. Murray	do	21.53 54.80
	R. P. Steddom	do	64.38
	W.C. Barth	Office expenses	. 40 29.15
	Don C. Aver	Office expenses	1.50
99	J. F. Ryder	Office expenses Traveling expenses Traveling expenses Sample boxes Disks	45.00
23	E. J. Brooks & Co	Disks	23.00 6.50
	W. C. Bardi D. R. Way Don C. Ayer J. F. Ryder H. F. Miller & Son E. J. Brooks & Co. New York Telephone Co. White Star Line	Telephone rent and services Transportation	9.38
	White Star Line	Transportation	9.07 15.00
	O. J. Lanigan O. E. Dyson Knickerbocker Ice Co Cleary Bros	do	15.00
	Knickerbocker Ice Co	Ice	3.45
	G. A. Shuster	Use horse and wagon Knives	24.00 2.00
	Geary Brose G. A. Shuster Jas. W. Davis Hoard's Creameries Chicago, Indianapolis and Louisville Rwy.	Use horse and buggy	16.00
	Chicago Indianapolis and Louisville Pur	Butter Transportation	976.32 1.56
	Co.		1.30
	Baltimore and Ohio R. R. Co. Chicago, Milwaukee and St. Paul Rwy. Co. do. Star Union Line Jno. S. Martin & Co.	do	. 86 2. 67
	do	dododo	2.67
24	Star Union Line	do	. 60
24	U.G. Houck	Traveling expenses	150. 87 48. 90
	E. A. Conway Coal Co	Coal	7.50
	U.G. Houck E. A. Conway Coal Co J. J. Brougham W. A. Pate	Coal Office expenses Axle pulleys	5.80
	Great Falls Ice Co. E. S. Schmid Rudolph, West & Co.	Ice	2.08 10.75
		Feed	1.50

Date.	Name.	Nature of payment.	Total
1899.			
Mar. 24	Capital Traction Co. Georgetown and Tennallytown Rwy. Co C. W. Stiles do W. B. Moses & Sons E. Morrison Paper Co W. H. Butler Star Union Line	Street-car tickets	\$10
27 28	Georgetown and Tennallytown Rwy. Co	Transfer tickets Traveling expenses	10
28	C. W. Stiles	Traveling expenses	203
29	W R Moses & Sons	Office expenses	0
20	E. Morrison Paper Co	Bands	8 15
	W. H. Butler	Glass	4
	Star Union Line	Glass Transportation	ŝ
	Vandalia Line Chicago and Northwestern Rwy. Co do	do	51
	Chicago and Northwestern Rwy. Co	do	1
	do	do	
	do	do	45
	Chiago Punlington and Onings P. P. Co.	00	31
	Hannibal and St. Joseph R. R. Co.	do	8
	do do Chicago, Burlington and Quincy R. R. Co. Hannibal and St. Joseph R. R. Co do Rice P. Steddom do Geo. F. Thompson et al	do	4
31	Rice P. Steddom	Services	109
	do	Traveling expenses	103
	Geo. F. Thompson et al	Salaries	2,056
	Total third quarter		225,038
pr. 1	C.S. Braisted Eimer & Amend E.J. Brooks & Co	Pencils	25 18 120
	Eimer & Amend	Supplies	13
	E.J. Brooks & Co	Supplies  do Lead disks Traveling expenses Transportation of butter	120
	Mannia Wasdan	Lead disks	43
- 1	Swift & Co	Transportation of button	34
	Morris Wooden Swift & Co Thos. Somerville & Sons	Supplies	430 112 42
	do	Supplies for repairing steam	49
1	A. Wilson & Bro	(treen food	10
5	E. H. Catlin & Co	Supplies	3
	J. R. Buckelew	Paper	58 58
	E. H. Catlin & Co J. R. Buckelew Fredk. Springmann E. L. Volgenau A. G. G. Richardson et al W. M. Balmer et al H. A. Hedrick et al Julius Huelsen et al E. P. Dowd et al W. H. Rose et al C. W. Stiles do The White. Corbin & Co C. H. Zink et al C. A. Schaußer et al R. W. Hickman et al G. C. Faville et al G. C. Faville et al	Supplies Paper Transportation	
6	E. L. Volgenau	Services	108
19	A. G. G. Richardson et al	Salaries	806 795 489
	W.M. Balmer et al	do	195
	Inline Huoleon et el	do	488
	F P Dowd et al	do	189
	W. H. Rose et al	do	652 182 936
	C. W. Stiles	Services	300
	do	Traveling expenses	150
	The White, Corbin & Co	Envelopes	19 1,101 797 157
7	C. H. Zink et al	Salaries	1,101
	C. A. Schaufler et al	do	797
	F. W. Huntington et al	do	157
	R. W. Hickman et al.	go	1,919 363
	G. C. Faville et al.	do	363
	A. J. Paylie et al	Conviges	704 108 108
	W N D Rind	do	100
	H N Waller et al	Salaries	401
	G. C. Faville et al. A. J. Payne et al. A. M. Rork W. N. D. Bird H. N. Waller et al. W. S. Cass et al. Niels C. Sorensen et al. Thos. L. Rice S. J. Murray Geo. C. Moser Dan. McCunningham J. A. Kiernan W. D. Jorden L. A. Klein J. C. Keely W. E. Hill T. A. Bray Geo. A. Bond A. M. Adams L. J. Allen C. H. Directory	do	918
	Niels C. Sorensen et al	do	918 466 103
	Thos. L. Rice	Services	103
	S.J. Murray	do	103
	Geo. C. Moser	do	108
	Dan. McCunningham	do	10
	J. A. Klernan	do	108
	I. A Floir	do	100
	I C Keely	do	108 108 108
	W. E. Hill	do	108
	T. A. Bray	do	103
	Geo. A. Bond	do	103 103
	A. M. Adams	do	103
	L. J. Allen	do	103
	C. H. Blemer	do	120
	A. M. Adams L. J. Allen C. H. Blemer Albert Dean et al Fredk. Braginton et al L. R. Baker et al Geo. Ditewig et al F. D. Ketchum et al Jno. McBirney et al E. P. Schaffter et al J. J. Brougham et al H. M. Ball et al Morris Wooden et al	Salaries	556
	Fredk. Braginton et al	do	182 942 258
	L. K. Baker et al	do	942
	F.D. Kotahum et al	do	208
	Ino MaRiynov et al	do	617 280 886
	E. P. Schaffter et al	do	280 288
	I I Brougham at al	do	1,718
	IT 35 D 11	do	1, 105
8			

Date.	Name.	Nature of payment.	Total.
1899.			4100 00
pr. 8	C. H. Stevens I. K. Atherton	Services	\$120.60
	I. K. Atherton	OD	120.60
	Jas. Irwin	do	120.60
	A. E. Rehnke at al	Salaries	1 102 10
	J.K. Atherton J.As. Irwin A. B. Morse A. E. Behnke at al Don C. Ayer et al S.E. Bennett et ai W.H. Gibbs et al Wm. Thompson et al Jno. Forbes et al Jno. R. Mohler et al T. A. Shipley et al W. C. Barth et al S. E. Cosford et al E. N. Hutchinson et al Geo. S. Baker et al H. B. Davidson Rudolph, West & Co	do	86. 10 120. 60 1, 102. 10 3, 633. 40
10	S. E. Bennett et ai	do	
	W. H. Gibbs et al	do	242.80 1.295.00
	Wm. Thompson et al	do	1.295.00
	Jno. Forbes et al	do	2,022.39
	T A Shipley et al	do	1,032.70 474.2
	W C Barth et al	do	193. 10
	S. E. Cosford et al	do	165.30
	E. N. Hutchinson et al	do	221.30 724.30
	Geo. S. Baker et al	do	724.30
	H. B. Davidson	Rent of land	50.00
	Rudolph, West & Co	Supplies Services	5.00 215.30
	W. C. Downs et al	Services Salaries	7.901.19
	H.G. Amold et al	do	1 012 0
	Beni, S. Paddock et al	do	1, 942. 00 454. 50
	Jno. C. Parker	File cabinet, etc.	76.04
11	A. R. Wake et al	Salaries	989 29
	Geo. S. Baker et al. H. B. Davidson Rudolph, West & Co G. M. Brumbaugh W. S. Devoe et al. H. G. Arnold et al. Benj. S. Paddock et al. Jno. C. Parker A. R. Wake et al. Lowell Clarke et al. W. B. Niles Chas. M. Day W. H. Brown Co., agents Wm. J. Reagan E. Balzer et al. do	Salariesdo	2, 172. 00 73. 89 120. 60
	W. B. Niles	Services	73.89
	Chas. M. Day	do Freight on butter Services	120.60
	W. H. Brown Co., agents	Freight on butter	23.51 16.67
	E Balzar et al	Salaries	86.6
12	do	dodo	86.67 6,725.46
1.0	S. Stewart et al Robt. Darling et al T. J. Turner et al	dodo	1.591.14 1,227.36 1,378.81
	Robt. Darling et al	do	1,227.36
	T. J. Turner et al	đo	1,378.81
	() R Hase	Services	120 60
	Great Falls Ice Co	Ice	13.00
	W. Willett Trego	Garden barrows, etc	13.00 12.30 21.70
	Great Falls Ice Co. W. Willett Trego. Rafus P. Clarke Church & Stephenson	Lumber	57 41
	do	do	57. 41 3. 25
	Albert Lea Dairy Association	Butter	1, 129, 48
13	Frank L. De Wolf et al		1 026 40
	Joshua Miller et al	do	590.4
7.4	Frank T. Shannon et al.	do	399.60
14	Frank L. De Wolf et al. Joshua Miller et al. Frank T. Shannon et al. Jno S. Martin & Co Bausch & Lomb Optical Co Asa N. McQueen Z. D. Gilman	Cheese, etc	75.26
	Asa N Ma()mon	Slips	3. 44 30, 00
15	Z. D. Gilman	Services Alcohol Nux vomica Supplies	14.46
	do	Nux vomica	. 95
	Mackall Bros	Supplies	. 95 35. 00
	Mackall Bros W.M. Galt & Co Washington Gas Light Co Jno. A. Bell do A. H. Richards		7.28
10	Washington Gas Light Co	Gas	36.80
17	Jno. A. Bell	Gas Traveling expenses	8.62
	A H Richards	Services Traveling expenses	48.00 25.25
	do	Services	11.67
	do Chas. Cowie W. Ḥ. Wray	do	15.00
	W. H. Wray	Office expenses	15.00 387.50 3.33
	do F.M. Hunter J.F. Ryder.	Office expenses	3.38
	F. M. Hunter	Servicesdo	86.10
	J.F. Kyder	Total do	172.20 45.00
	Juline Huelson	Office expenses	40.00
	Julius Huelson E. N. Hutchinson N. Simon Co., Limited	Office expenses Traveling expenses	3. 05 4. 50
	N. Simon Co., Limited	Cheese, Dairy Division	227 38
	Geo. S. Baker Hoard's Creameries	Cheese, Dairy Division	4.50 227.38 14.90
	Hoard's Creameries	Butter, Dairy Division	1.216.25
	W. M. Foster Wm. C. Honan	Butter, Dairy Division Services Traveling expensesdo	28.00 23.10
	Wm. C. Honan	Traveling expenses	23. 10
	Library Bureau	Condo	5.20
	W.S. Cass. Library Bureau United States Electric Lighting Co	Carus	16.50 10.08
18	Library Bureau	Cards	8.78
	C. A. Woolsey Paint and Color Co.	Cards White kalsomine	7.400
	Emil Greiner	Supplies	5. 00 11. 33
	Galvanotype Engraving Co	Supplies	11.38
	United States Electric Lighting Co Library Bureau C. A. Woolsey Paint and Color Co Emil Greiner Galvanotype Engraving Co Rudolph, West & Co ——do ——do ——do ——do ——do	Supplies	30.61
	Q0	do	18.17
	Magizall Puga	a .	49.52

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899 — {\bf Cont'd.}$

ate.	Name.	Nature of payment.	Tota
1899.			
or. 18	Z. D. Gilman	Tubes, etc Carriage washers Oil finish	\$19
	W. Willett Trego Chas. Becker	Carriage washers	1 52
	Chas. Becker	Oil finish	52
	E. M. Tilden W. H. Butler F. L. Russell	Ink	2
	W. H. Butler	Glass	4
	F. L. Russell  do  do  J. Murray Albert Dean Dan. McCunningham C. H. Blemer Thos. L. Rice W. A. Rushworth W. H. Wray S. J. Murray Geo. C. Moser D. R. Way Rice P. Steddom Chas, M. Day Louis A. Robinson E. Balzer	Services	184
	do	Traveling expenses	100
19	A.J. Murray	do	5
	Albert Dean	do	30
	Dan. McCunningham	do	26
	C. H. Blemer	do	8 32 2
	Thos. L. Rice	do	32
	W. A. Rushworth	do	2
	W.H. Wray	do	11
	S. J. Murray	do	33
	Geo. C. Moser	do	24
	D. R. Way	do	53
	Rice P. Steddom	do	82
	Chas. M. Day	do	84
	Louis A. Robinson	do	2
	E. Balzer	do	23
	Louis A. Robinson E. Balzer T. A. Geddes A. J. Murray W. H. Wray F. M. Perry H. P. Armsby J. W. Ward Edw. P. Dowd C. H. Zink Julius Huelsen R. W. Hickman W. S. Cass. A. R. Wake Fredk. Braginton Don. C. Ayer Wm. Thompson E. A. de Schweinitz F. M. Perry	do	53
	A.J. Murray	Services	10
	W.H. Wray	Office expenses	3
20	F. M. Perry	Services	95 86 95
	H. P. Armsby	do	86
	J. W. Ward	do	95
	Edw. P. Dowd	Office expenses	
	C. H. Zink	`do	
	Julius Huelsen	do	4
	R. W. Hickman	do	3
	W.S.Cass	do	2
	A. R. Wake	do	3
	Freak. Braginton	do	20
	Don. C. Ayer	do	1
	Wm. Thompson	do	16
	E. A. de Schweinitz	Traveling expenses	26
	F. M. Perry	Traveling expenses	43
21	H. B. Waldron	do	67
21	F. M. Perry H. B. Waldron W. H. Butler Dennison Manufacturing Co	Glass Inspection tags	$\frac{2}{122}$
	Dennison Manufacturing Co	Inspection tags	144
	do do Whitall, Tatum & Co D. H. Burrell & Co Jno McBirney Albert Dean Rector Res Light Co	Supplies Fasteners Tags	60 32 20
	do	Fasteners	90
	Whitell Tetum & Co	Bottles	15
	D H Burnell & Co	Power	30 67 4
22	Ino MoRimor	Boxes	67
44	Albert Doon	Traveling expenses	4
	Roston Gas Light Co	Class	12
	International Office Toilet Supply Co	Towol corrigo	13 17
	Now York Tolonkono Co	Tolophono convigo	9
	do	do	22
	J. B. Colt & Co	Lantern	119
	Wyandotte (fas Co	Gas	119 7 2
	Jas Sullivan	Kindling	2
	Armour Packing Co	Telephone service	12
	W. A. Griswold	Office expenses Gas Towel service Telephone servicedo Lantern Gas Kindling Telephone service Soap Writing fluid	2
1	Jno. McBirney Albert Dean Boston Gas Light Co. International Office Toilet Supply Co New York Telephone Codo J. B. Colt & Co Wyandotte Gas Co Jas. Sullivan Armour Packing Co W. A. Griswold Lawton & Burnop Central Union Telephone Co Mathew Wood South Omaha Waterworks Co	Soap Writing fluid Telephone service Stallion with "Maladie du Coit"	2 5
	Central Union Telephone Co	Telephone service	18
	Mathew Wood	Stallion with "Maladie du Coit."	20
	South Omaha Waterworks Co	Electric current	3
	Wm.Lochte	Shoeing horses	20 20
	A. Wilson & Bro.	Cabbage	20
	E. B. Markham	Pigs	36
24	Baker & Thornton	Letterpress	9
	Combe Printing Co	Supplies	3.
	Chicago Telephone Co	Telephone service	87
	R. H. Williams	Pearline	87 3
1	F. P. May & Co	Saw files	
	South Omaha Waterworks Co Wm. Lochte A. Wilson & Bro E. B. Markham Baker & Thornton Combe Printing Co Chicago Telephone Co B. H. Williams F. P. May & Co The Geo. W. Knox Express Co Fredk. Springman	Transportation	
	Fredk. Springmann	do	
26	Fredk. Springmann Wm. E. Pratt Goes Lithographing Co	Stallon with "Maladie du Coit" Electric current Shoeing horses Cabbage Pigs Letterpress Supplies Telephone service Pearline Saw files Transportation do Hog rings. Interstate meat inspection stamps.	4
	Goes Lithographing Co	Interstate meat inspection	430
		stamps.	
27	Chicago Car Seal and Manufacturing Co	Car seals	318
	do	Meat inspection stamps	187 3 30
	Goes Lithographing Co. Belt Railroad Stock Yard Co. Missouri and Kansas Telephone Co St. Louis and National Stock Yards Co	Meat inspection stamps	_3.
	Belt Railroad Stock Yard Co	Office rent	30.
	Missouri and Kansas Telephone Co	Telephone service	12. 75.
		Office rent	

Date.	Name.	Nature of payment.	Total.
1899.		•	
Apr. 27	The Kansas City Stock Yards Co., of Missouri.	Office rent	\$45.00
		do	60.00 30.00
	Nebraska Telephone Co	-do	12.45 165.00
	Union Stock Yard and Transit Co	onice rent	45. 00 900. 00
	B. P. Oliver Pacific Telegraph and Telephone Co- Nebraska Telephone Co Packers' National Bank Union Stock Yard and Transit Co- Gahan & Byrne Chas. E. Stubbs	do Report on "American Horse for Export." Boiler grates Copper funnel Office rent Office expenses Office rent	900.00 232.00
		for Export."	4.50
20	E. L. Willson Dulin & Martin Co. State National Bank, St. Joseph, Mo. A. R. Wake B. H. Adams	Copper funnel	2.00
28	A. R. Wake	Office expenses	45.00 3.10 40.00
29	B. H. Adams Jas. Stikeman	Office rent	$\frac{40.00}{125.00}$
	B. H. Adams Jas. Stikeman The East Buffalo Live Stock Exchange Co. New England Telephone and Telegraph Co Estate of Benj. Adams Chesapeake and Potomac Telephone Co. J. A. Turner Co. Dennison Manufacturing Co.	Telephone services Office rent Telephone rent	90,00
	Estate of Benj. Adams	Office rent	42.00 120.00
	J. A. Turner Co	Office rent Inspection tags	19.50 36.00
	Dennison Manufacturing Cododo	Inspection tags Fasteners	446.00 29.90
	American Railway Supply Co	Fasteners. Meat tags.	1.30
	do	Export tags	10.13 1.35
	Geo. E. Howard	Pen drawing	5.94 90.00
May 1	do American Railway Supply Codo Library Bureau Geo. E. Howard Geo. F. Thompson et al. Merck & Co. Geo. E. Gangloff White Star Line Bay State Clean Towel Furnishing Co A. G. G. Richardson O. E. Dyson	Salaries	1,960.00 1.09
	Geo. E. Gangloff White Star Line	Use horse and buggy	90,00
	Bay State Clean Towel Furnishing Co	Towel supply	5. 22 32. 58
	O. E. Dyson	Use norse and buggy Use saddle horse	40.00 15.00
	Cleary Bros Knickerbocker Ice Co	Meat tagsdodo Export tags Cards Pen drawing Salaries Supplies Use horse and buggy Freight on cheese Towel supply Use horse and buggy	15.00 27.00 4.88
	O. E. Dyson Cleary Bros. Knickerbocker Ice Co. H. D. Hawley O. J. Lanigan H. B. Brown W. F. Strothide H. C. Dale Jas Evans	Use horse and buggy Use saddle horse Purchases of horses Purchases of cattle	69.00 15.00
	H. B. Brown	Purchases of horses	100.00
	H. C. Dale	do	38.00 36.00
	J. A. Henderson	Purchase of horsedo	20.00 8.00
	M L Henderson		10.00 23.00
	S. E. Bennett Silver Laundry and Towel Co	Use saddle horse Towels furnished Coal	28.75 13.00
	Silver Laundry and Towel Co Jas. Sullivan E. A. Conway Coal Co Iowa Telephone Co Jas. W. Davis Omaha Steam Laundry Frank T. Shannon Jno Forbes	do	7.50
	Jas. W. Davis	Telephone service Use horse and buggy Towels furnished Use horse and buggy	6.00 16.00
	Omaha Steam Laundry Frank T. Shannon	Towels furnished	16.00 17.94 29.00
	Jno. Forbes A. E. Behnke	do	45.00
		do do Purchase of horse Lumber Screen Oil	35.00 37.50
	E. Ireland The E. E. Jackson Co W. B. Moses & Sons Standard Oil Co W. M. Galt & Co Henry E. Alvord Freemont, Elkhorn and Missouri Valley	Screen	9. 09 9. 00 48. 12
	Standard Oil Co W. M. Galt & Co	Oil Oats	48. 12 3. 30
2	Henry E. Alvord	Oats Traveling expenses Passenger transportation	33. 15 36. 48
~	R. R. Co.	r assenger transportation	
	Houston and Texas Central R. R. Co	do	24.32 5.00
	Houston and Texas Central R. R. Co.  Houston and Texas Central R. R. Co.  Southern Pacific Co.  Galveston, Harrisburg and San Antonio Rwy Co.	dodo	5.00 17.50 13.70
	Galveston, Harrisburg and San Antonio	do	14.40
3	Atchison, Topeka and Santa Fe Rwy. Co	do	60.08
3	Galveston, Harrisburg and San Antonio Rwy. Co. Atchison, Topeka and Santa Fe Rwy. Co R. L. Cooper Albert Lea Dairy Association Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Burlington and Missouri R. R. in Nebraska	Butter	$46.00 \\ 1,146.66$
	Louis Rwy. Co.	Transportation	.74
	Burlington and Missouri R. R. in Nebraska. Hannibal and St. Joseph R. R. Co.	do	12.01 10.72
	Lehigh Valley R. R. Co.	do	10.72 .75
5	Louis Rwy. Co. Burlington and Missouri R. R. in Nebraska. Hannibal and St. Joseph R. R. Co. Lehigh Valley R. R. Co. Star Union Line. G. M. Brumbaugh L. R. Baker et al.	Services	206.00 911.30
	L. K. Baker et al	Salaries	911.30

Date.	Name.	Nature of payment.	Total.
1899.	6		
lay 5	Albert Dean et al	Salaries	\$583.5
Lug o	W. B. Niles	Services	80. 7
	W. B. Niles Hibbard, Spencer, Bartlett & Co Exter & Sons. Cutler-Nielson Paint and Color Co	Services Supplies	$\frac{2.6}{5.1}$
	Exter & Sons	Gasoline Blue paste, etc.	5.1
	Cutler-Nielson Paint and Color Co	Blue paste, etc	11 2
	H. A. Hedrick et al Julius Huelsen et al	Salariesdo	468. 0 612. 7 896. 5
	W H Poge et al	do	612.7
	W. H. Rose et al do do H. A. Hedrick Ira K. Atherton	Office expenses do Services	14.6
	H A Hedrick	do	8 4
6	Ira K. Atherton	Services	8.4 115.4
	A. B. Morse	do	115.4 98.9
	A. M. Rork	do	98.9
	L. A. Klein	do	98.9
	S.J. Murray	do	98.9
	Geo. C. Moser	do	98.9
	Dan. McCunningnam	00	98.9 88.9
	Jno. A. Miernan	do	99.9
	W D Jordon	do	98. 9 98. 9
	W E Hill	do	98.9
	Thos. A. Bray	do	98.9
	A. B. Morse A. M. Rork L. A. Klein S. J. Murray Geo. C. Moser Dan. McCunningham Jno. A. Kiernan Jas. C. Keely W. D. Jorden W. E. Hill Thos. A. Bray Geo. A. Bond R. J. Blanche A. M. Adams L. J. Allen	do	98. 9
	R. J. Blanche	do	69. 2 23. 0
	A. M. Adams	do	23.0
	L. J. Allen	do	98 9
	L. J. Allen C. H. Blemer T. A. Shipley et al E. P. Schaffter et al	do	115. 4 422. 0 794. 0
	T. A. Shipley et al	Salaries	422. U
	E. P. Schaffter et al.	do	4 497 8
	S. E. Bennett et al C. W. Stiles Geo. C. Faville	Salary	4, 427. 8 300. 0 11. 0
8	Geo C Faville	Salary Office expenses	11.0
· ·	do	do	5. 4
	Geo. C. Faville et al	Salaries	5. 4 387. 8 753. 3 1,886. 2
	C. A. Schaufler et al	do	753.3
	R. W. Hickman et al.	do	1,886.2
	E. P. Dowd et al	do	174.7
	F. W. Huntington et al.	do	148.9
	Jno. P. O'Leary	Services Traveling expenses	174. 7 148. 9 23. 0 12. 4
	E I. Volcenen	Sorving expenses	98.9
	Geo. C. Faville  do Geo. C. Faville et al C. A. Schaufler et al R. W. Hickman et al E. P. Dowd et al F. W. Huntington et al Jno. P. O'Leary  do E. L. Volgenan L. K. Green  do W. C. Barth et al Fredk. Braginton et al A. E. Behnke et al	Services do Traveling expenses	69. 2
	do	Traveling expenses	69. 2 13. 0
	W. C. Barth et al	Salaries	189 6
	Fredk. Braginton et al	Salariesdo	174. 7 1, 055. 1 15. 0
- 2	A. E. Behnke et al	Office expenses	1,055.1
9	Niels C. Sorensen	Office expenses	15.0
	Niels C. Sorensen et al	Salaries	142.1
	A. C. C. Pichandson et al	Salaries do	442.73 148.4 781.0
	W M Rolmar at al	do	
	R P Wende	Traveling expenses	9
	C. H. Zink et al	Salaries	997. 2
	Geo. Ditewig et al	do	247.3
	W. H. Gibbs et al	do Services do Office expenses	997. 2 247. 3 232. 4 115. 4 98. 9
	Chas. H. Stevens	Services	115.4
	W. N. D. Bird	do	98.9
10	Thos. J. Turner	Office expenses	15.2
	Thos. J. Turner et al	Salaries	1,5%4.0
	Emery Rind Theyer Dry Goods Co	Brush	2,109.0
	Don C Aver et al	Salaries	3 504 2
	W.S. Cass et al	do	855. 1
11	W. M. Galt & Co.	do Gorage Telephone service	182.5
	The Chesapeake and Potomac Telephone Co	Telephone service	93.7
	H. Bradley Davidson	Rent of land	15.2 1,524.6 1,109.8 2.9 3,504.2 855.1 182.5 93.7 50.0
	Leo Baum	Photos for report	5. 0 3. 4
	Fredk Braginton et al A. E. Behnke et al Niels C. Sorensen Niels C. Sorensen et al E. Balzer et al A. G. Richardson et al W. M. Balmer et al B. P. Wende C. H. Zink et al Geo. Ditewig et al W. H. Gibbs et al Chas H. Stevens W. N. D. Bird Thos J. Turner Thos J. Turner et al S. Stewart et al Emery, Bird, Thayer Dry Goods Co Don C. Ayer et al W. M. Galt & Co The Chesapeake and Potomac Telephone Co H. Bradley Davidson Leo Baum Z. D. Gilman Royce & Marean W. B. Moses & Sons Hugh Reilly R. Carter Ballantyne W. H. Butler Lutz & Co	Rent of land Photos for report Medicines Copper wire	3.4
	Koyce & Marean	Copper wire	18.1
	W.B. Moses & Sons	Screen	$\frac{4.0}{1.2}$
	R Cartor Rellentyne	Supplies for carpenter shop Fasteners, etc	6.1
	W. H. Butler	Oil	1.0
	Lutz & Co	Collar and bridle for horse	9.0
	Tog P I ambia	Loothon holting oto	9.0 16.7
			4
	do	Supplies	15.8
12	do W. S. Devoe	Office expenses	15.8 45.2
12	W. S. Devoe. W. S. Devoe et al Horace G. Arnold et al Benj. S. Paddock et al	Supplies Office expenses Salariesdo	15. 8 45. 2 7, 841. 3 1, 941. 2 364. 1

## Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

ate.	Name.	Nature of payment.	Total
899.			
y 12	Lowell Clarke et al Frank L. De Wolf et al J. J. Brougham et al Frank D. Ketchum et al A. J. Payne et al Joshua Miller et al Samuel E. Cosford et al Wm. Thompson et al A. R. Wake et al A. R. Wake A. J. Payne	Salaries	\$1,521.
	Frank L. De Wolf et al	00	989.
	J. J. Brougnam et al.	do	1, 692. 728. 662. 517. 158. 1, 217. 903.
	A T Payme et al	do	662
	Joshua Miller et al	do	517
- 1	Samuel E. Cosford et al.	,do	158.
3	Wm. Thompson et al	do	1,217.
	A. R. Wake et al.	do	903.
	A. R. Wake	Office expenses	2. 2.
	A. K. Wake A. J. Payne U. G. Hank et al T. A. Shipley Office Toilet Supply Co. Wm. C. Honan Morris Wooden et al Ing. Forles et al	do	2.
- 3	U. G. Hank et al	Salaries Office expenses Towels furnished	1,718. 22. 157. 20. 6,212. 1,887. 208.
13	Office Toilet Supply Co	Towels furnished	157
19	Wm C Honon	Traveling expenses	20
	Morris Wooden et al	Salaries	6, 212
	Jno. Forbes et al.	Traveling expenses	1,887
	Jno. For bes et al E. N. Hutchinson et al	do Office expenses Salaries	208.
	Frank T. Shannon	Office expenses	3. 367.
	E. N. Hutenmson et al Frank T. Shannon Frank T. Shannon et al Harry N. Waller Harry N. Waller et al Wm. D. Jorden Chas. M. Day James Irwin. O. P. Hegg	Salaries	367.
	Harry N. Waller	Office expenses	11.
	Harry N. Waller et al	Salaries Traveling expenses	390
	Wm. D. Jorden	Traveling expenses	28 115
	Chas. M. Day	Services	611
	O B Hose	do	82. 115 3
	Geo S Raker	Office expenses	3
	Geo S. Baker et al	Salaries	695
	Jno. R. Mohler et al	do	997
-	Robt. Darling et al	do	1 084
	James Irwin O. B. Hess. Geo. S. Baker Geo. S. Baker et al. Jno. R. Mohler et al. Robt. Darling et al Jno. A. Bell Henry P. Armsby  Go. F. M. Perry Chas, Cowie do	Services	82 30
	Henry P. Armsby	do	82.
	do	Traveling expenses	30.
	F. M. Perry	Services	100.
	Chas. Cowie	Traveling expenses	65
	Niels C Sovenson	Office ownerses	17 11
	Wm A Hook	Office expenses	11
15	Chas. Cowie do Niels C. Sorensen Wm. A. Heck The Houghton Co	Shades	30
10	Melville Lindsay. Washington Gas Light Co. E. J. Pullman Rudolph, West & Co. Z. D. Gilman do.	ShadesSupplies	32
	Washington Gas Light Co.	Gas Seed plates, dairy division Water cooler, etc Supplies do do	33.
	E. J. Pullman	Seed plates, dairy division	1.
	Rudolph, West & Co	Water cooler, etc	4
	Z.D.Gilman	Supplies	5 26
	do	do	26.
	do Jas. B. Lambie United States Electric Lighting Co Harry M. Ball et al Jno. McBirney et al Jno. McBirney Chas. A. Schaufler Abram M. Adams	do Chamois skins Electric current	29.
	United States Floatric Lighting Co	Chamois skins	3
	Harry M Roll at al	Salaries	1,044
	Ino McBirney et al	do	772
	Jno. McBirney		19
	Chas. A. Schaufler	Office expenses	18
	Abram M. Adams	Traveling expenses	18 39
16	W. S. Cass B. P. Wende Louis A. Robinson	dododo	4
	B. P. Wende	do	
	C. H. Zink	Office expenses	1
	C. H. Zink	Omce expenses	1 7 77
	A. G. G. Richardson Jno. McBirney	Traveling expenses	77
	Geo. S. Baker Chas. H. Blemer G. W. Ward	do	14
	Chas. H. Blemer	do	10
	G. W. Ward	Services	10 105
	do F. L. Russell J. August Fries	Services Traveling expenses	30
	F. L. Russell	Services	112
	J. August Fries	do	86
	do	Servicesdodo	82
	Anthun M. Pouls		30 112 86 82 270
	Edwd. B. Holland Arthur M. Rork Jno. A. Bell W. H. Wray	The voling of person	29.
	W. H. Wray	Services	375.
	w. II. wray	Traveling expenses	10.
	F. M. Hunter	Services	82
	F. M. Hunter J. F. Ryder	Traveling expenses Services Services - do Traveling expenses	82 164
	do	do Traveling expenses Linen File cases Telegraph service. Purchase of horse	48.
17	Rufus P. Clarke	Linen	1.
	Yawman & Erbe Manufacturing Co	File cases	6.
	Rufus P. Clarke Yawman & Erbe Manufacturing Co The Bell Telephone Co	Telegraph service	40.
		Dunahaga of house	20.
	Wm. Hunter Jas. Caldwell D. Keethler	Purchase of horsedo Purchase of horses	35.

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\tt Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
1899.			
May 17	Ira Keethler W. C. Cook E. J. Brooks & Co American Railway Supply Co do do T. M. Perry S. J. Murray Thos. L. Rice Chas M. Day Boardman Bros Maxwell Bros	Purchase of horses	\$80.00
18	E. J. Brooks & Co	Disks	30,00 6,50
	American Railway Supply Co	Tags	6. 50 55. 35
	do	do	15. 25 12. 15 2. 70 49. 70
	do	do	2.70
	F. M. Perry	Traveling expenses	49.70
	S.J. Murray	do	44.51
	Chae M Day	do	29.70 94.50
	Boardman Bros	Eggs, Dairy Division	130.50
	Maxwell Bros Hoard's Creameries	Boxes	55.75 709.00 21.00
	Hoard's Creameries	Butter, Dairy Division Hire horse and buggy	709.00
	Jas. J. Bowen W. M. Galt & Co	Oats	3.30
	R. A. Pearson	Traveling expenses	59.35
19	Chicago and Northwestern Rwy. Co	Transportation	· 11.17
	Star Union Line	do	. 15 18. 45
	do	do	1. 32
	Vandalia Line	do	6.35
	do	do	. 87 6. 38
	Jas. J. Bowen W. M. Galt & Co R. A. Pearson Chicago and Northwestern Rwy. Codo do Star Union Line do Vandalia Line do Hannibal and St. Joseph R. R. Codo do do	do	6, 38 3, 31
	do	do	3.31 11.27
20	do Thos Somerville Jno C. Parker M. Stone	do	4.64
20	Thos. Somerville	Supplies	145.16
22	M. Stone	Traveling expenses	110. 13 33. 92
22 23 26			23.29
26	W. B. Miles A. E. Belinke Electric Toilet Supply Co Bausch & Lomb Optical Co Goes Lithographing Co Chicago Car Seal and Manufacturing Co Frank T. Shannon Sophia Bower	Use horse and buggy Towel supply "Objectives" Stamps Car seals Use of horse and buggy	35.00
	Bouseh & Lomb Optical Co	Towel supply	11.00 540.00
	Goes Lithographing Co	Stamps	22.00
	Chicago Car Seal and Manufacturing Co	Car seals	22.00 450.75
_	Frank T. Shannon	Use of horse and buggy	29.00
	Sopnia Bower H. C. Doll Cleary Bros. O. E. Dyson Knickerbocker Ice Co O. J. Lanigan Saml. E. Bennett Jas W. Davis	Horse	40.00 3.00
	Cleary Bros	Calf Use horse and buggy Use horse	25,00
	O. E. Dyson	Use horse	15.00
	Knickerbocker Ice Co	Use horse	4.58 15.00
	Saml. E. Bennett	do	23.00
	Jas. W. Davis	Use horse and buggy	16.00
	Jas. W. Davis St. Louis National Stock Yards Pomeroy's El Paso Transportation Co	do Use horse and buggy Rent of office Use horse February, March, and April.	75. 00 66. 00
	Pomeroy's El Paso Transportation Co	and April	66.00
	L. Berger	Hauling	3. 25
0#	C. L. Fitch	Hauling. Butter coloring, standard	5.00
27 31	L. Berger C. L. Fitch E. A. de Schweinitz G. F. Thompson et al E. Morrison Paper Co Z. D. Gilman R. C. Ballantyne Jas. B. Lambie R. L. Cooper	Office expenses	5.00 17.15 2,256.70
June 1	E. Morrison Paper Co	Paper	. 75
	Z.D. Gilman	Medicine. Eyelet punch, etc. Machine screens. Hire of horse	. 75 3. 75 1. 30
	R. C. Ballantyne	Eyelet punch, etc	1.30
	R. L. Cuoner	Hire of horse	. 60 24. 00
	Jas. B. Lambie R. L. Cooper David Pifferling Great Falls Ice Co. Sarah Richards. Elmer H. Catlin & Co W. H. Chambers Geo. E. Howard A. Wilson & Bro Wm. Lochte W. H. Butler Cornish, Curtis & Green Manufacturing Co.	Cattle	140.00
	Great Falls Ice Co	Use Toe Washing towels Supplies Horses	140.00 . 13.13
	Sarah Richards	Washing towels	3.90 37.50
	W H Chambers	Horses	80.00
1	Geo. E. Howard	Drawings for Dairy Division Food for animals Shoeing horses	20.00
	A. Wilson & Bro	Food for animals	5.88
1	Wm. Lochte	Shoeing horses	5. 88 5. 50 2. 94
	Cornish Curtis & Green Manufacturing	Window glass	70.92
	Co.	butter.	10.0,0
	A. J. Murray	/D 11:	15.50
	D. D. Worr	Services	30.00
	Ino McRippoy	Office expenses	57.47 23.40
	dodo	do	23.40 15.38
	Co. A. J. Murray	Traveling expenses Services Traveling expenses Office expenses do Traveling expenses	40.84
	R.J. Blanche	do	16.95 23.65
1			
	Ja J. Allen	do	25.40
	do Wm. D. Jorden R. J. Blanche Dan McCunningham L. J. Allen Geo. C. Moser Jno. A. Kiernan J. J. Jrougham	do	25. 40 27. 40 32. 50

e.	Name.	Nature of payment.	Tota
).			
1	J. J. Brougham A. E. Behnke. William Thompson L. R. Baker W. S. Cass.	Office expenses, May	\$5 30
	A. E. Behnke	Office expenses	30
	T P Pokor	do	15
	W S Cass	do	1
	W. S. Cass. Jno. Forbes Vernon H. Brown & Co., agents do Albert Lea Dairy Association Webb Bros. Co Goes Lithographing Co Willis B. Lincoln A. C. Becker	do Transportation of butter	37 19
	Vernon H. Brown & Co., agents	Transportation of butter	37
	do	do	19
2	Albert Lea Dairy Association	Butter Cord of pine slabs Meat-inspection stamps Traveling expenses	688
	Goog Lithographing Co	Most-inspection stamps	237 16
	Willis R Lincoln	Traveling expenses	16
	A. C. Becker Pennsylvania R. R. Co	do	40
	Pennsylvania R. R. Co	Freight on butter, Dairy Di-	ā
		VISION	
	H. B. Waldron	Traveling expenses	67
	H. B. Waldron Baltimore and Ohio R. R. Co. Chicago, Rock Island and Texas Rwy. Co. Galveston, Harrisburg and San Antonio	Passenger transportation	6
	Calveston Hamishard and Texas Rwy. Co.		72 72
	Rwy Co	do	1.4
	Gulf Colorado and Santa Fé Rwy. Co	do	9
	Southern Pacific Co.	do	20
	do	do	9
	Galveston, Harrisourg and San Antonio Rwy, Co. Gulf, Colorado and Santa Fé Rwy, Co Southern Pacific Co do Dennison Manufacturing Co do do do do	Meat-inspection tags	286 38
	do	Duplicate tags	38
	Manakantal Dafninanating Co	Fasteners Division	106
	Merchants Reirigerating Co.	Services. Dairy Division	102 100
	B H Adams	Fasteners Services. Dairy Divisiondo Office rent Traveling expenses Telephone service and rent Use horse and huggy	40
	F. L. Russell	Traveling expenses	76
	New York Telephone Co	Telephone service and rent	- 11
	do do do Merchants' Refrigerating Co. I. T. Osmond B. H. Adams F. L. Russell New York Telephone Co A. G. G. Richardson G. W. Ward The Chas. Willis Surgical Institute Co. C. S. Braisted Library Bureau do	Use horse and buggy Traveling expenses Supplies Penholders Cards	40
	G. W. Ward	Traveling expenses	40 2
	The Chas. Willis Surgical Institute Co	Supplies	14
	U.S. Braisted	Pennolders	2
	do	do	
	Emil Greiner	Gas burners	i
	Chadwick Copving Book Co	Copying book	2
	do Emil Greiner Chadwick Copying Book Co Eimer & Amend N. Rufus Gill D. E. Salmon David Pifferling Mackall Bros Fred. A. Schmidt Postal Telegraph Cable Co	Gas burners Copying book Supplies	2
	N. Rufus Gill	Office rent	31
	D. E. Salmon	Traveling expenses	27
	David Pifferling	Supples Office rent Traveling expenses Sixteen horses Supplies do Telegraph service do Services Solovies	520 28
	Fred A Schmidt	do	ĩ
	Postal Telegraph Cable Co.	Telegraph service	
	do	do	
	E. L. Volgenau	Services	102
	E.P. Dowd et al	Salaries	180
	E. Balzer et al	do	196 13
	Coo A Rond	Convices	133
	Postal Telegraph Cable Codododo E. L. Volgenau E. P. Dowd et al E. Balzer et al F. W. Huntington et al Geo. A. Bond W. E. Hill Thos. A. Bray Richd. J. Blanche Jas. C. Keely J. A. Kiernan L. A. Klein W. D. Jorden Dan McCunningham S. J. Murray Thos. L. Rice L. J. Allen Chas. H. Blemer Ira K. Atherton C. J. Sihler Fredk. Bragington et al W. S. Cass et al A. R. Wake et al W. N. D. Bird Louis K. Green Arthur B. Morse W. B. Lincoln Harry C. Jacobs	do	10
	Thos. A. Bray	do	10: 10: 10:
	Richd. J. Blanche	do	
	Jas. C. Keely	do	10:
	J. A. Kiernan	do	10: 10: 10:
	W. D. Tondon	do	102
	Dan McCunningham	do	100 100 100
	S. J. Murray	do	10
	Thos. L. Rice	do	10:
	L. J. Allen	do	102
	Chas. H. Blemer	do	119 119
	Ira K. Atherton	do	119
	C. J. Sinler	do	55 18
	W S Case et al	Salaries	18
	A. R. Wake et. al	do	888 75
	W. N. D. Bird	Services	109
	Louis K. Green	do	109
	Arthur B. Morse	do	119
	W.B. Lincoln	do	75
	Harry C. Jacobs	do	102 102 103 113 77 43
	Julius Huelsen	Office expenses	-
	Arthur B. Morse W. B. Lincoln Harry C. Jacobs Julius Huelsen Julius Huelsen et al H. A. Hedrick et al Geo. C. Faville et al Albert Dean et al T. A. Shipley et al	Salaries	648
	Geo C Faville et al	do	484 359
	Albert Dean et al	do	51
		UV	42

### 114 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 ${\it Expenditures of Department of Agriculture for year ending June 30, 1899-Cont'd.}$ 

Date.	Name.	Nature of payment.	Total.
1899.			
June 7	H. N. Waller et al.	Salaries	\$416.63
8	Geo. Ditewig et al	do	255.40
0	Geo. Ditewig et al W. C. Barth et al Jno. Forbes et al E. P. Schaffter et al	do	255.40 195.80 1,974.51 839.01 927.00 1.09
	E. P. Schaffter et al	do	839.01
9	E. P. Schaffter et al. W. H. Rose et al. R. W. Hickman W. H. Rose R. W. Hickman et al. W. S. Dayce et al.	Office expenses	927.00
	R. W. Hickman	Office expenses	1.00
	W. H. Rose	do Salaries	10.95
	W S Davog et al	balaries	
10	W.S. Devoe et al C. H. Zink	do Traveling expenses salaries do	8, 151. 25 1. 35
	C. H. Zink et al	Salaries.	1 (126.56
	Harry M. Ball et al	do	1, 125, 28 3, 660, 82
	Don C. Ayer et al	do	3,660.82
	Niels C. Savangan, et al	do	1,089.80 431.93
	Joshua Millar et al	do	516.72
	J. J. Brougham et al.	do	516.72 1,750.02 807.56
	Frank L. De Wolf et al	do	807.56
12	H. G. Arnold et al	do	2, 006, 08
	Benj. S. Paddock et al.	do	374.76 6,194.95
	C. H. Zink C. H. Zink et al Harry M. Ball et al Don C. Ayer et al A. E. Behnke et al Niels C. Sorensen, et al Joshua Miller et al J. J. Brougham et al Frank L. De Wolf et al H. G. Arnold et al Benj. S. Paddock et al Morris Wooden et al Wm. Thompson et al Jno McBirney et al	do	6, 194, 95
	Ino McBirnevet al	do	1,242.62 1,604.10
	Wm. Thompson et al Jno. McBirney et al Chas. M. Day Chas. H. Stevens Jno. R. Mohler et al Frank D. Ketchum et al Geo. S. Baker et al W. H. Gibbs et al E. N. Hutchinson et al Saml. E. Cosford et al O. B. Hess	Services	119.20
	Chas. H. Stevens	do	119.20 119.20
	Jno. R. Mohler et al	Salaries	1,031.60 845.98 718.60
	Frank D. Ketchum et al	do	845.98
	W. H. Cibbs et al	do	240.20
	E N Hutchinson et al	do	217 60
	Saml. E. Cosford et al	do	217.60 163.60 119.20
	O. B. Hess	Services	119.20
	S. Stewart et al	Salaries	1.018.60
13	Rufus P. Clarke	Toweling Telegraph service "Prepared Feed" Feed for animals	15.20 6.30
	Fostal Telegraph Cable Co	"Propagad Food "	1.50
	W M Galt & Co	Feed for animals	102.50
	Z. D. Gilman	Supplies	27.80
	O. B. Hess S. Stewart et al Rufus P. Clarke Postal Telegraph Cable Co Edwd. S. Schmid W. M. Galt & Co Z. D. Gilman do	Supplies Syringes Supplies Absorbent cotton	102.50 27.80 24.00
	do	Supplies	6 70
	H. D. Danida	Absorbent cotton	1.20 50.00
	Church & Stanhangan	Rent of land Lumber	10.55
	Budolph, West & Co	Screw eyes	
	do do do H. B. Davidson Church & Stephenson Rudolph, West & Co M. Du Perow Wm. E. Pratt J. S. Ford Johnson & Co Dennison Manufacturing Co	Speaking tubes, etc	$\frac{.17}{6.90}$
	Wm. E. Pratt	Hog rings, etc.	4.80
	J. S. Ford Johnson & Co	Typewriter chairs	207.83
	E I Brooks & Co	Compressor clusses	3, 58 120, 50
14	E. J. Brooks & Co F. M. Hunter W. H. Wray	Services	85.20
	W. H. Wray	do	387.50
	do	Office expenses	387.50 3.70 85.20
	Henry P. Armsby	Services	85.20
	W. H. Wray do Henry P. Armsby C. W. Stiles Jno. A. Bell Chas. Cowie F. M. Perry C. L. Morin J. A. Friez	Screw eyes Speaking tubes, etc. Hog rings, etc. Typewriter chairs Tags Compressor glasses Services do Office expenses Services do do	300.00 48.00
	Chas, Cowie	do	48. 00 20. 00 85. 00
	F. M. Perry	dodo	. 85.00
	C. L. Morin	do	48 (11)
	J. A. Friez. S. B. Richardson American Railway Supply Co. A. G. G. Richardson E. J. Brooks & Co. Dennison Manufacturing Co.	do	85. 20 21. 23 6. 75 40. 00
	S. B. Richardson	Cheese, Dairy Division Tags Use of horse and buggy	21.25
	A G G Richardson	Use of horse and bugger	40.00
	E. J. Brooks & Co	Discs	16.58
	Dennison Manufacturing Co	Discs Tags	16.58 $140.00$
			6.50
	T. D. H. II. and	Tags Services Salaries	. 65
	E. B. Holland Robt. Darling et al	Services	135.00
	Eliz. C. Gibson	Services	1,085.30 18.13
	A.J. Murray	do	25, 00
15	A. J. Murray J. F. Ryder	Services  Craveling expenses  Services  Services  Sarries	18.13 25.00 45.00
		Services	170.40
	Geo. S. Baker	Traveling expenses	15.40 85.00
	F T Shappon of al	Services	205 20
	Geo. S. Baker Geo. W. Ward F. T. Shannon et al T. J. Turner et al Lowell Clarke et al Jno. A. Bell Chec. Conric	do	395. 20 1, 519. 39
	Lowell Clarke et al	do	1, 475, 13
16	Jno. A. Bell Chas. Cowie	do do Trayeling expenses	5. 62 . 50
		dodo	

ite.	Name.	Nature of payment.	Total.
99.	-		
e 16	B. P. Wende I. T. Osmond C. H. Zink L. A. Robinson Harry M. Ball	Traveling expenses	§4. 9
	I. T. Osmond	Services	50.0
	L. A. Pobingon	Traveling expenses	7.8
	Harry M Rall	do	2.0 1.8
	Albert Dean	do	6, 6
	Albert Dean Geo. C. Moser Jno. A. Kiernan R. J. Blanche	do	4. 0 12. 8
	Jno. A. Kiernan	do	12.3
	R. J. Blanche C. J. Sihler C. H. Blemer W. N. D. Bird W. S. Cass Jas. Irwin W. C. Honan Frank Bele Jno. R. Mohler E. A. de Schweinitz St. Louis, Keokuk and Northwestern R. R. Co.	do	4.5
	C.J. Sinler	do	5. (
	W N D Rind	do	16. 4 25. 5
	W.S. Cass	do	5.1
	Jas. Irwin	Services	85.2
	W. C. Honan	Traveling expenses	24. (
	Frank Bele	Purchase of cattle	40.0
	Jno. R. Mohler	Traveling expenses	33. 5
17	E. A. de Schweinitz	Unice expenses	24. 8 4. 0
11	R. R. Co.	Transportation	1.0
	Burlington and Missouri River R. R. in	do	12.8
	Nebraska.	do	.1
	Louisville and Nashville R. R. Co	do	
	Oregon Railroad and Navigation Co	do	
Ì	Louisville and Nashville R. R. Co Oregon Railroad and Navigation Co Vandalia Liue Harry E. Overstreet	do	1.4
	Harry E. Overstreet	do	- 4
	Now Vonly Chicago and Ct. Louis D. D. Co.	do	
	Cleveland Cincinnati Chicago and St.	do	
	Harry E. Overstreet do. New York, Chicago and St. Louis R. R. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.		
	dodo	do	3.5
	Hannibal and St. Joseph P. P. Co.	do	1.1
ļ	Atchison, Topeka and Santa Fé Rwy. Co Hannibal and St. Joseph R. R. Co Chicago, Indianapolis and Louisville Rwy.	do	22. 8 2. 8
	Co. New York, New Haven and Hartford R. R.		.8
			. 0
	Co. Star Union Line  Chicago, Burlington and Quincy R. R. Co.  do  Rudolph, West & Co.	do	2.8
	do	do	. 7
	Chicago, Burlington and Quincy R. R. Co.	do	1.3
	Padalah Wast & Ca	Cli	. 2
	do do	Pagore pails looks oto	40. 8 8. 8
	Z. D. Gilman	Syringes etc	13. 5
	W. M. Galt & Co	Oats	175.0
	do	do	3.8
19	G. W. Ward	Traveling expenses	15. 1
	Rudolph, West & Co do Z. D. Gilman W. M. Galt & Co do G. W. Ward W. H. Wray W. A. Rushworth F. L. Russell do Angustus C. Becker	do	11.1
	W. A. Kushworth	Conviosa	1.4
	do	Traveling expenses	40. 6 23. 9
	Augustus C. Becker	do	55. 9
	Baltimore and Ohio R. R. Co	Transportation	1.2 3.2
	Atchison, Topeka and Santa Fé Rwy. Co	do	3.2
1	Star Union Line	do	2. 1 1. 0
	Popped varie Co	00.	1.0
	Vandalia Line	do	3.8
	A. Wilson & Bros.	Feed for animals	47. 8 1, 242. 9
20	C. L. Morin	Traveling expenses	11.8
	Julius Huelsen	Office expenses	4.5
	W. H. Wray	do	5. 5
	W. C. Cocc	do	1.4
i	Wm Thompson	do	2. 0 14. 6
	Chicago, Rock Island and Pacific Rwy Co	Transportation	.6
	W. A. Rushworth F. L. Russell do Augustus C. Becker Baltimore and Ohio R. R. Co Atchison, Topeka and Santa Fé Rwy. Co Star Union Line Chicago, Rock Island and Pacific Rwy. Co Pennsylvania Co Vandalia Line A. Wilson & Bros. C. L. Morin Julius Huelsen W. H. Wray A. R. Wake W. S. Cass. Wm. Thompson Chicago, Rock Island and Pacific Rwy. Co Chicago, Burlington and Quincy R. R. Co. do The Atchison, Topeka and Santa Fé Rwy.	do	.2
	do	do	26.9
	The Atchison, Topeka and Santa Fé Rwy.	do	43.8
		a.	0.0
	Wabash R. R. Co Lake Shore and Michigan Southern Rwy.	do	2.6
	Co.	do	1.8
	H. E. Alvord	Traveling expenses	37.2
	Rice P. Steddom	Services	98.9
21	H. E. Alvord	Office expenses	12. 7 2. 0
	L. Berger	Hauling	2.0
	Jas. W. Davis Swift & Co		16.0

Date.	Name.	Nature of payment.	Total.
1899.			
June 21	Knickerbocker Ice Co	Ice	\$5.40
	Jno. F. Rief	Purchase of horse	20.00
	St. Louis National Stock Yards	Office rent Use horse and buggy	75.00
	A.E. Behnke F.T. Shannon	do do	35.00 29.00
	Frank Bele	Purchase of calf	20.00
	Frank Bele M. Stone	do Purchase of calf Traveling expenses do do	
	M. Stone Chas M. Day S. J. Murray A. J. Murray Dan McCunningham Wm. D. Jorden Leslie J. Allen Thos L. Rice Jno. McBirney D. R. Way	do	74.50
	S. J. Murray	do	24.70
	A. J. Murray	do	13.00
	Dan McCunningham	do	39.47
	Wm. D. Jorden	00 do	89.50
	Thos L. Rice	do	38. 90 30. 01
	Jno. McBirney	do	87.13
	D. R. Way Saml. E. Bennett Galveston, Harrisburg and San Antonio	do	61.00
22	Saml. E. Bennett	Use of horse	23.00
	Galveston, Harrisburg and San Antonio	Passenger transportation	22.40
	Rwy. Co.	()+6 +	40.00
	Jos C Zooly	Office rent	40.00
	A M Rothschild & Co	Cloth for microscopists' tables	68. 95 3. 00
	Cleary Bros	Traveling expenses Cloth for microscopists' tables. Hire of horse and wagon	26.00
	O. J. Lanigan	Use of horse	15.00
	B. H. Adams Jas. C. Keely A. M. Rothschild & Co Cleary Bros O. J. Lanigan O. E. Dyson F. M. Perry Wm. Lochte	Traveling expenses	15, 00
23 24	F.M. Perry	Traveling expenses	58.10
24	Wm. Locate	Shoeing horse	4.75 25.90
	Wm. Lochte Washington Gas Light Co James G. Bowen	Shoeing horse Gas Use of horse and buggy	25. 90 21. 00
	Great Falls Ice Co. Thos Somerville & Sons. Adams Express Co.	Tre	18.50
	Thos. Somerville & Sons	Ice Galvanized union Transportationdo	.13
	Adams Express Co	Transportation	9.30
	do	do	5.05
	do	do	4.55
00	Thos. Somerville & Sons	Supplies	76.60
26 27	Hanry Hanricks	do Supplies Traveling expenses Horse do	14.90 60.00
21	Hugh Perkins	do	40.00
	do do Thos. Somerville & Sons Walter J. Stewart Henry Henricks Hugh Perkins Chicago Car Seal and Manufacturing Co	Car seals.	415.50 82.50
	do	Car sealsdo	82.50
	Wm. E. Pratt	Hog rings	66.56
	Goes Lithographing Co	Meat-inspection stamps	529.65
	Wm E. Pratt. Goes Lithographing Co H. B. Waldron Abram M. Adams Jas. J. Brougham W. B. Niles Jas. B. Lambie	Meat-inspection stamps Traveling expensesdo Office expenses Traveling expenses Spades, picks, etc. Glue, bolts, etc. Letter books Supplies Thread Supplies Meat Traveling expenses Salaries	89.37 49.82
	Jas J. Brougham	Office expenses	4. 42
	W.B. Niles.	Traveling expenses	47.59
29	Jas. B. Lambie	Spades, picks, etc	16.55
		Glue, bolts, etc.	3.38
	J. R. Buckelew Melville Lindsay Rufus P. Clarke	Letter books	15.83
	Pufus D Clarks	Throad	2.18
	Ernest Betz	Supplies	. 82 5. 25
	A. A. Winfield	Meat	10.05
	A.D. Melvin	Traveling expenses	75.74
30	Ernest Betz. A. A. Winfield A. D. Melvin G. F. Thompson et al.	Salaries	2, 112, 33
			014 000 00
	Total for the quarter		214.890.69
	Supplemental.		
1899.	**		
July 1	New York Telephone Co	Telephone service	10.13 17.50
	New York Telephone Co F. M. Thornton C. W. Stiles	Services	17.50
5	C. W. Stiles.	do	300.00
	Cimpon MaIntino & Co	Putton Doing Division	195.67 320.32
	R P Staddom	Services May	102.20
	do	Services, June	102.20 98.90
	United States Electric Lighting Co	Electric current	2.53 7.02
	Leo Baum	Supplies, Dairy Division	7.02
6	H. B. Davidson	Rent of land	50.00
8	H. P. Armsby	Services	82.40
	J. A. FTIes F & Volcopen	do	82.40 75.82
	Δ F Martine	do	26.37
	H. D. Mayne	do	26.37 98.90
	L. J. Allen	do	98.90
	Jas. C. Keely	do	98.90
	W. D. Jorden	do	98.90
	C. W. Stiles do Simpson, McIntire & Co R. P. Steddom do United States Electric Lighting Co Leo Baum H. B. Davidson H. P. Armsby J. A. Fries E. S. Volgenau A. F. Martins H. D. Mayne L. J. Allen Jas. C. Keely W. D. Jorden Thos. L. Rice R. J. Blanche	00	98.90 98.90
1	n.s. planene	.,uo	30.30

### Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd BUREAU OF ANIMAL INDUSTRY—Continued.

te.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
99.	Supplemental—Continued.  Geo. A. Bond Dan McCunningham Jno. A. Kiernan S. J. Murray W. E. Hill Chas. H. Blemer Thos. A. Bray L. A. Kline Jno. R. Mohler R. W. Hichman et al Louis K. Green et al Jas. Irwin W. N. D. Bird	Commisses	500
8	Den McCunningham	Services	\$98 98
	Jno A Kiernan	do	98 92
	S. J. Murray	do	98 98
	W. E. Hill	do	98
	Chas. H. Blemer	do	115 98 98
	Thos. A. Bray	do	98
	Jno R Mohler	Traveling expenses	33
10	R. W. Hichman et al	Salaries	-1.840
	Louis K. Green et al. Jas. Irwin W. N. D. Bird Ira K. Atherton Willis B. Lincoln R. W. Tuck et al. A. A. Winfield E. J. Pullman Standard Oil Co R. P. Steddom do	do	158
	Jas. Irwin	Services	82
	W. N. D. BIPG	do	98
	Willis B Lincoln	do	115 98
11	R. W. Tuck et al	do do Salaries	1,001
	A. A. Winfield	Meat	1,001
	E. J. Pullman	Eikonogen	
	Standard Oil Co	Kerosene oil	4
	do	Traveling expenses, April	92 85
12	R. P. Steddom do Pearre E. Crowl & Co F. E. Lawler United States Express Co do do	Salaries Meat  Eikonogen Kerosene oil Traveling expenses, April Traveling expenses, June Sponge rubber Cheese, Dairy Division Transportation do do do	4
	F. E. Lawler	Cheese, Dairy Division	94
	United States Express Co	Transportation	69
	do	do	9
	do		8
	do Goumpf & Thompson Morris Wooden et al	do Enameling Salaries	ì
13	Morris Wooden et al	Salaries	6, 394
	H. G. Arnold L. J. Grant W. S. Devoe et al Benj. S. Paddock et al	do Brickwork Salaries	1 903
	L.J. Grant	Brickwork	7, 747
14	W.S. Devoe et al.	Salaries	7,747
	E. Balzer et al	dodo	366
	C. H. Zink et al	do	991
	R. P. Steddom	Office expenses	197 991
	Victor E. Norgaard	Traveling expenses	331
	E. Balzer et al. C. H. Zink et al. R. P. Steddom Victor E. Norgaard R. P. Steddom Dulin & Martin Co J. R. Buckelew Geo. E. Howard & Co Jno. Forbes et al. Lowell Clarke et al. T. J. Turner et al.	Omce expenses Traveling expensesdo Tin pans Tabulator, etc Vaccine envelopes Salariesdo	166 1 27
	L P Puelvelow	Tin pans	95
	Geo E Howard & Co	Vaccine envelones	3
15	Jno. Forbes et al.	Salaries	1,957
	Lowell Clarke et al	do	1, 957 1, 393
17	T.J. Turner et al	do	1,538 388
17	S Stowart et el	do	1 150
	Don C. Aver et al	do	1, 150 3, 560
	Harry M. Ball et al	do	1.080
	Victor A. Norgaard	Traveling expenses	18 118
18	C. W. Stiles	do	118
	A. B. Morse	Services	113 45
	Chas M. Day	do	115
	Lowell Clarke et al T.J. Turner et al Frank T. Shannon et al S. Stewart et al Don C. Ayer et al Harry M. Ball et al Victor A. Norgaard C. W. Stiles A. B. Morse David Cumming Chas M. Day Benj. Howes Geo. W. Ward C. L. Morin Chas. Cowie Jno. A. Bell	do	98
	Geo. W. Ward	do	70
	C. L. Morin	do	64
	Ino A Rell	do	25
	F. M. Perry	do	24 125
	A. J. Murray	do	18
	C. A. Schaufler et al.	Salaries	758
	Saml. E. Cosford et al.	do	158
	H. N. Waller et al	do	349 261
	J. A. Turner Co	Office rent	36
	N. Rufus Gill	do	31
	Chas. Cowie Jno. A. Bell F. M. Perry A. J. Murray C. A. Schaufier et al. Saml. E. Cosford et al. H. N. Waller et al. E. N. Hutchinson et al. J. A. Turner Co. N. Rufus Gill New York Telephone Co. Pacific Telephone and Telegraph Co. The Chesapeake and Potomac Telephone Co.	Telephone service	31 22
	Pacific Telephone and Telegraph Co	do	30 98
	The Chesapeake and Potomac Telephone	do	98
	Co. Chas. R. Edmonston	Agate can etc	2
19	Chas. R. Edmonston Rudolph, West & Codo Mackall Bros	Supplies for experiment station	ç
	do	Supplies for laboratories	25 25
	Mackall Bros	do	25
	W M Colb & Co.	Supplies	1
	Chas. R. Edmonston Rudolph, West & Codo	Traveling expenses	3
	Bernhard P Wanda	do do	ĩ
			á

Date.	Name.	Nature of payment.	Total.
4000	SupplementalContinued.		
1899. July 19	Geo W Ward	Traveling expenses	\$6.50
July 13	Geo. W. Ward Jno. A. Bell C. L. Morin E. A. de Schweinitz W. H. Wray J. F. Ryder F. M. Hunter L. R. Pydon	do	4. 12
	C. L. Morin	dodo	4. 12 15. 15
	E. A. de Schweinitz	Office expenses	25.00
	J. F. Rydor	Servicesdo	375.00
20	F. M. Hunter	do Traveling expenses Desk Wire	164. 80 82. 40
	F. M. Hunter J. F. Ryder W. B. Moses & Sons Royce & Marean Church & Stephenson American Railway Supply Co do do H. F. Miller & Son E. J. Brooks & Co Emil Greiner	Traveling expenses	45.00 25.95
	W. B. Moses & Sons	Desk	25.95
	Church & Stephenson	Lumber	9. 65 36. 55
	American Railway Supply Co	Tags	125 00
	do	TagsdodoBoxes	72.90 31.05 28.75 9.75
	U F Millon & Con	Power	31.05
	E. J. Brooks & Co	Disks	9 75
	Emil Greiner East Buffalo Live Stock Exchange Co Estate of Benj. Adams	Supplies Office rent	11.00 90.00
	East Buffalo Live Stock Exchange Co	Office rent	90.00
	Estate of Benj. Adams	do do	120.00
	Jas. Stikeman	do	125 00 40.00 40.00
	A.G.G. Richardson	Use horse and buggy	40.00
	Jas. Stikeman B. H. Adams A. G. G. Richardson International Office Toilet Supply Co R. L. Cooper The Bell Telephone Co. of Philadelphia Geo. E. Gangloff The Bell Telephone Co. of Buffalo New England Telephone and Telegraph Co. The Chesapeake and Potomac Telephone Co.	Use horse and buggy Towel service Use horse and buggy Telephone service Use horse and buggy Telephone service.	17.92
	R. L. Cooper	Use horse and buggy	6.00
	Geo E Gangloff	Use horse and buggy	40.00 90.00
	The Bell Telephone Co. of Buffalo	Telephone service	12.00
	New England Telephone and Telegraph Co.	dodo	12.00 42.00 19.50
	The Chesapeake and Potomac Telephone	do	19.50
21	Co. The White Corbin & Co.	773 3	5.70
21	The White, Corbin & Co. Great Falls Ice Co. Washington Gas Light Co. Postal Telegraph Cable Co.	Ice	5.70 22.10 21.80
	Washington Gas Light Co	Gas	21.80
	Postal Telegraph Cable Co	Telegraph service	40
	I C Thornton & Son	Cowe	250.00
	J. C. Thornton & Son. C. A. Muddiman & Co	Envelopes Loe Gas Telegraph servicedo Cows Supplies Pliers	250.00 3.57
	Jas. B. Lambie	Pliers	9.84
22	Orrin W. Snyder	Services	29.67 751.80
	W. J. Stawart at al	balaries	998.78
	C. A. Muddiman & Co Jas. B. Lambie Orrin W. Snyder Frank L. De Wolf et al W. J. Stewart et al O. B. Hess W. H. Gibbs et al Joshua Miller et al A. J. Payne et al Frank D. Ketchum et al Geo. S. Baker et al W. N. D. Bird W. N. D. Bird W. B. Niles S. J. Murray Thos. L. Rice A. J. Murray Wm. C. Honan	Services	115.40
	W. H. Gibbs et al	Salaries	232.40 512.92
	Joshua Miller et al	do	512.92
	Frank D Ketchum et al	do	670. 18 820. 80
	Geo. S. Baker et al	do	820, 80 695, 70 14, 90
	do	Traveling expenses	14.90
	W. N. D. Bird	do	17.55 48.02 15.15
	S J Murray	do	15 15
	Thos. L. Rice	do	11.45
	A.J. Murray	do	8.00
	Wm. C. Honan Wm. C. Honan Ernest N. Hutchinson Orrin W. Snyder Jno. McBirney D. R. Way Thos. A. Bray	do	8.00 22.39 7.05
	Orrin W Snyder	do	10.40
	Jno. McBirney	do	79.85
	D. R. Way	Office expenses	55.00 1.02
	Thos. A. Bray	do	1.02
	Thos. A. Bray T. A. Shipley Niels C. Sorensen Frederick Braginton A. R. Wake Chicago Car Seal and Manufacturing Co	do	9. 75 15. 24
	Frederick Braginton	do	. 60
	A. R. Wake	do	. 60 3. 44
	Chicago Car Seal and Manufacturing Co.	Car seals	560. 25 363. 75 143. 06
	Office Toilet Supply Co	Toilet supply	143.06
	O.J. Lanigan	Toilet supply Saddle horse Horse and wagon	15.00
	Cleary Bros	Horse and wagon	26.00
	Knickerbocker Ice Co	Ice Use saddle horse	6.83 15.00
	Chicago Telephone Co	Telephone service	87.50
	H. W. Hawley	Telephone service Use horse and buggy  do Telephone service	87.50 69.00 23.00
	S. E. Bennett	do	23.00
	Armour Packing Co	Telephone service	12.50
	Silver Laundry and Towel Co	Gas	3.00 13.59
	Chicago Car Seal and Manufacturing Codo do Jolice Toilet Supply Co Jolice Toil	Towel service Use of horse and buggy Eggs, dairy division Use of horse and buggy	44.00
	Boardman Bros	Eggs, dairy division	148.50
	Frank T. Shannon	Use of horse and buggy	29.00

ate.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
899.		TV	405
ly 22	A. E. Behnke	Use of horse and buggy Gasoline, matches, etc Use horse and buggy Telephone service Screws, etc Ice Hauling Telephone service Office rent	\$35 3 16
	A. B. Bennke Etter & Sons Jas. W. Davis Nebraska Telephone Co Smith & flastings South Omaha Ice Co	Use horse and buggy	16
	Nahwaska Talanhona Co	Telephone service	19
	Smith & Hastings	Screws etc	12
	South Omaha Ice Co	Ice	É
	L. Berger	Hauling	4
	South Omaha Ice Co. L. Berger Iowa Telephone Co. Gahan & Byrne Union Stock Yard and Transit Co. G. W. Tourtellot Belt Railroad Stock Yard Co. State National Bank of St. Joseph St. Joseph St. Joseph B. P. Oliver The Kansas City Stock Yard Co. of Missouri.	Telephone service	ti
	Gahan & Byrne	Office rent	900 45
	Union Stock Yard and Transit Co	do	45
	G. W. Tourtellot	do	270
	Belt Railroad Stock Yard Co	do	30
	State National Bank of St. Joseph	do	30
	St. Joseph Stock Yards Co	00	- O(
	B. P. Uliver	00	30 60 45
	souri.	do	Tr.
	St Louis National Stock Vards	do	75
	The Packers' National Bank	do	165
	St. Louis National Stock Yards The Packers' National Bank Goes Lithographing Co.	Meat-inspection stamps	75 165 321
	do	do	32 57 56
25	do A. C. Becker A. M. Adams H. B. Waldron W. S. Cass Chas. M. Day M. Stone L. I. Allen L. I. Allen	Traveling expenses	57
	A. M. Adams	do	56
	H B. Waldron	do	74
	W.S.Cass	do	Ē
	Chas. M. Day	do	81 58
	M. Stone	do	Đế Đố
			37
	Wm.D.Jorden C.J.Sihler	do	37 65 32
	Ino A Kiernan	do	26
	Dan McCunningham	do	45
	Tooie A. Geddes	do	38
	Jno. F. Deadman	Services	38
	Cutler Nielson Paint and Color Co	Paint	1
	Jas. Sullivan	Coal	17
	Omaha Steam Laundry	Towel service	17
	E.J. Seykora & Co	Ink, etc	2
	C. J. Sihler Jno. A. Kiernan Dan McCunningham Tooie A. Geddes Jno. F. Deadman Cutler Nielson Paint and Color Co Jas. Sullivan Omaha Steam Laundry E. J. Seykora & Co Mackall Bros Thos. Somerville & Sons. Sarah Richards	Supplies	22 57
	Sarah Richards	Washing tarrels	94
	West I b4-	TT	5
	Latz & Co	Halters etc	20
	Saml. E. Watson	Supplies do  do Washing towels Horseshoeing Halters, etc Services	20 36
	Win. Locate Lutz & Co. Saml. E. Watson. Henry T. Potter. Wm. A. Rushworth. Chas. Cowie. F. L. Russell. E. M. Papry.	do	16
	Wm. A. Rushworth	Traveling expenses	.1
	Chas. Cowie	do	1
			41
	F. M. Perry	do	77
	Hervey T. Potter	do	5
	F. M. Perry Hervey T. Potter H. A. Hedrick Lulius Huslen	Omice expenses	5
	Julius Huelsen A. G. G. Richardson Wm. Thompson	do	4
	Wm. Thompson	do	16
	wm. Inompson Thos. J. Turner A. E. Behnke Joshua Miller A. J. Payne Jno. Forbes Albert Dean Geo. S. Baker W. S. Goss	do	14
	A. E. Behnke	do	37
	Joshua Miller	do	14 37
	A.J. Payne	do	
	Jno. Forbes	do	14
	Albert Dean	do	4
	Geo. S. Baker	do	
	Frank T Channer	00	6
	W. S. Cass Frank T. Shannon Niels C. Sorensen	do	15
	Chas A Schaufler	do	15 31
	W. H. Bose	do	20
	Geo. C. Faville	do	12
	do	do	5
	Western Union Telegraph Co	Telegraph service	]
	do	do	5
	Meis C. Sorensen Chas. A. Schaufler W. H. Rose Geo. C. Faville	do	21 21
	Postal Telegraph Cable Co	do	18
29	W. H. Wráy	Traveling expenses	18
	Adama Ernyaga Ca	Omce expenses	5
	Ino Forbos	Transportation	3 45
	Adams Express Co Jno. Forbes Electric Toilet Supply Co Bay State Clean Towel Furnishing Co Central Union Telephone Co	do do draweling expenses Office expenses Transportation Use horse and buggy Towel supply Towel service	40
	Bay State Clean Towel Furnishing Co	Towel supply	35
		Telephone service	18

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1899.		Malanhana assesia	<b>#10</b>
uly 29	Missouri and Kansas Telephone Co New York Telephone Co. Brooklyn Gas Light Co Boston Gas Light Co Library Bureau Russell Cream Co J. W. Turner	Telephone service	\$12. 10. 2. 9.
	Brooklyn Gas Light Co	Gas	2.
	Brooklyn Gas Light Co Library Bureau Russell Cream Co J. W. Turner Doane Bros Alfred T. Martins Merchants' Parcel Delivery Co. Geo. F. Muth & Co. Atchison, Topeka and Santa Fé Rwy. Co. do Goodrich Transportation Co. Missouri Pacific Rwy. Co Chicago and Erie R. R. Co Pennsylvania Co Glinois Central R. R. Co do Atchison, Topeka and Santa Fé Rwy. Co. Clicago, Accele and Santa Fé Rwy. Co. Clicago and Erie R. R. Co Clicago and Erie R. R. Co Glinois Central R. R. Co do Atchison, Topeka and Santa Fé Rwy. Co. Star Union Line do Chicago, Rock Island and Pacific Rwy. Co. do Missouri Pacific Rwy. Co Vandalia Line Michigan Central R. R. Co Chicago and Northwestern Rwy. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Dennison Manufacturing Co. do do do	do	9.
	Library Bureau	Cards	10. 72. 4.
	Kussell Cream Co	Cream, dairy division	12.
	Dogne Bros	Casters etc for chairs	6.
ug. 2	Alfred T. Martins	Traveling expenses	21.
	Merchants' Parcel Delivery Co	Freight	21. 11.
3	Geo. F. Muth & Co.	Turpentine, etc	2.
	Atchison, Topeka and Santa Fe Rwy. Co	Transportation	14. 14.
	Goodrich Transportation Co	do	17.
	Missouri Pacific Rwy. Co	do.	5. 1. 3.
	Chicago and Erie R. R. Co	do	1.
4	Pennsylvania Co	do	3.
	do do	do	6. 2.
	Atchison, Topeka and Santa Fé Rwy, Co	do	5
	Star Union Line	do	
	do	do	
	Chicago, Rock Island and Pacific Rwy. Co	do	
	Missonri Pacific Pwy Co	do	5
	Vandalia Line	do	13
	Michigan Central R. R. Co	do	
	Chicago and Northwestern Rwy. Co	do	2
	Cleveland, Cincinnati, Chicago and St.	do	
5	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Dennison Manufacturing Co	Most-inspection tags	262
0	do	do	262 167
	do	Supplies	46 19
	do	do	19
	do	do	8
	do	do	5
	R. W. Hickman	Office expenses	8 7 5 1
	Lewis R. Baker	do	1
8	W. E. Pratt	Hog rings	72
9	Don C. Ayer	Office expenses	4
16	Jno McRiney	do	105
11	Jno. C. Parker	Memorandum books	105 34
14	Z. D. Gilman	Supplies	55
10	do	Absorbent cotton	2 15
$\frac{16}{17}$	W.F. Hill	Transportation	25 25
18	Adams Express Co	Transportation	27
	do	do	18 10
4.0	do	do	10
19	Chas. Truax Greene & Co	Dissecting scissors, etc	66
21	David Pifferling	Cows	15 45
~1	Union Stock Yard and Transit Co	Office rent	50
	Z. D. Gilman  do Adams Express Co W. E. Hill Adams Express Co do do Chas. Truax Greene & Co H. N. Waller David Pifferling Union Stock Yard and Transit Co do do	Supplies Absorbent cotton Transportation Traveling expenses Transportationdo	50 155
	do	do	128 . 1
99	Bausch & Lomb Optical Co.	Repairing tube to microscope	. 1
22 23	Georgetown and Tennallytown Rwy Co	Freight	6
	C. W. Stiles  do Bausch & Lomb Optical Co United States Electric Lighting Co Georgetown and Tennallytown Rwy. Co O. W. Snyder James G. Bowen A. G. G. Richardson W. S. Devoe Chicago and Northwestern Rwy. Co	Transportation Use horse and buggy Office expenses do Passenger transportation do	
24	James G. Bowen	Use horse and buggy	24
25	A. G. G. Richardson	Office expenses	6 56
30	W.S. Devoe	Passangou transpartation	56 9
ept. 6	Chicago and Northwestern Rwy. Co	rassenger transportation	9.
	Fremont, Elkhorn and Missouri Valley	do	4
	B. R. Co.		
	Central R. R. Co. of New Jersey. The Chicago, Burlington and Quincy R. R.	dodo	6. 9.
			5
12	Co. Southern California Rwy. Co. Elmer H. Catlin & Co C. Becker Blue Line Transfer Co E. M. Tilden R. Carter Ballantyne Southern Rwy. Co. Henry P. Armsby	do Relacquering microscope tubes Lap robe Transportation Ink Pens, etc Passenger transportation	1
12 13 15	C. Becker	Laprobe	8.
15	Blue Line Transfer Co	Transportation	4.
	E. M. Tilden	Ink	2. 15.
	R. Carter Ballantyne	Pens, etc Passenger transportation	15. 15.
16 19			

### Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

Da	te.	Name.	Nature of payment.	Total.
		Supplemental—Continued.		
1899. ept.19		The Wabash Rwy. Co Southern Pacific Co	Passenger transportation	\$40.
		Southern Pacific Co	do	5. 17.
		Baltimore and Ohio R. R. Co	Transportation	10.
		do Baltimore and Ohio R. R. Co The Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co The Missouri Pacific Rwy. Co	Passenger transportation	16.
		The Missouri Pacific Rwy. Co	Dwa wa ara	8.
		Harry C. Overstreet do Chicago and Northwestern Rwy. Codo	do do	
	20	Chicago and Northwestern Rwy. Co	Transportation	3. 2.
		do	do	2.
		Pennsylvania Co Chicago, Rock Island and Pacific Rwy. Co- Chicago, Indianapolis and Louisville Rwy.	do	٠.
		Chicago, Rock Island and Pacine Rwy. Co.	do	:
		Co.	do	
		New York Chicago and St Louis R R Co.	do	
		Vandalia Line Burlington and Missouri River R. R. in	do	
		Burlington and Missouri River R. R. in	do	1.
		Nebraska. St. Louis and San Francisco R. R. Co	do	
		Star Union Line.	do	
		Star Union Linedo	do	
	1	do	do	
	23	Chicago Rock Island and Pacific Rwy Co.	do	6. 2.
	20	do	do	3.
		Vandalia Line	do	11.
		do do Chicago, Rock Island and Pacific Rwy.Codo Vandalia Line Lake Shore and Michigan Southern Rwy.	do	2.
		Co. Michigan Central R. R. Co	do	
		Chicago and Northwestern Rwy. Co	do	5.
		do	do	1.
		Chicago, Milwaukee and St. Paul Rwy. Co.	do	3. 6.
	1	do do	do	0.
		Missouri Pacific Rwy, Co	do	1.
	- 1	Harry C. Overstreet	do	
	25	Rand, McNally & Co.	Map	3. 239.
t.	5	United States Express Co	Transportation	499. 7.
		do	do	6.
	6	E. J. Brooks & Co.	Disks	31.
	17 18	do E. J. Brooks & Co. Geo. E. Howard & Co. Adams Express Co.	Vaccine envelopes Transportation	16.
	10	do do	Transportation	19. 17.
	21	The White, Corbin & Co	Envelopes	78.
V.	. 6	do The White, Corbin & Co. Nashville, Chattanooga and St. Louis Rwy.	Passenger transportation	4.
		Co. Burlington and Missouri River R. R. in Nebraska	Transportation	9.
		Now Youls Chicago and Ct Lawis D. D. C.	do	
		Baltimore and Ohio R. R. Co.	do	1.
		Stan Union Line	do	11.
		Chicago, Rock Island and Pacific Rwy Co	do	7.
		Rew Tork, Cheago and St. Louis R. R. Co-Baltimore and Ohio R. R. Co. Hannibal and St. Joseph R. R. Co. Star Union Line Chicago, Rock Island and Pacific Rwy. Co. Chicago, Indianapolis and Louisville Rwy.	do	5.
		Star Union Line	do	5.
		Chicago and Northwestown Prov. Co.	do	99
		do	do	23.
		do Chicago and Northwestern Rwy. Codo Burlington and Missouri River R. R. in Nebraska.		12.
		Chicago, Rock Island and Pacific Rwy. Co.	do	6. 3.
		Total	`,-	52, 802.
			,	, 00.01

First quarter	\$134, 411, 27
Second quarter	215 (12 01
I Mrd dharter	205 028 75
rourth quarter .	211 800 60
Supplemental	52 802 37
	54,004.01
M-4-1	

#### BUREAU OF ANIMAL INDUSTRY—RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.			
1898. Aug. 6 Sept. 10	J. Harrison Johnson	do	\$100.00 100.00			
Oct. 28	Total first quarter		200.00			
Nov. 3 Dec. 8	dodo	do	100.00 100.00 100.00			
1000	Total second quarter		300.00			
1899. Jan. 10 Feb. 6 Mar. 11	J. Harrison Johnson do do	Rent of buildingdodo	° 100.00 100.00 100.00			
	Total third quarter		300.00			
Apr. 19 May 26 June 17	J. Harrison Johnsondodo	Rent of buildingdodo	100.00 100.00 100.00			
	Total fourth quarter		300.00			
July 14	J. Harrison Johnson	Rent of building	100.00			
	RECAPITULATION					
First quarter         \$200.           Second quarter         300.           Third quarter         300.           Fourth quarter         300.           Supplemental         100.						

#### BUREAU OF ANIMAL INDUSTRY.

Total 1,200.00

#### [Special appropriation made available March 22, 1898.]

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 18	H. T. Burrows	Leveling tract of land at exper-	\$353.4
May 5			5, 7
May 5	Rudolph, West & Co	Salarios	71.2
9	T. D. Dakon et al	do	895.2
ð	L. R. Baker et al L. K. Green et al	do	1, 485. 1
10	Lowell Clarke et al	do	1,305.0
10	S. Stewart et al	do	2,543.2
	S. E. Bennett et al	dodo	3, 365, 8
11	E. Balzer et al	do	5, 260. 6
12	B.S. Paddock et al	do	381.5
13	S R Rurch	Traveling expenses	74.6
	W. D. Robbins et al T. W. Oshel et al Chas. Keane et al	Salaries	136.4
	T. W. Oshel et al	do	173.1
	Chas. Keane et al	do	194.0
	E. N. Hutchinson et al	do	209.8
	W. H. Gibbs et al	do	229.9
	H. N. Waller et al O. B. Hess et al	do	329.6 382.4
	Geo. S. Baker et al	do	685. 7
	Geo. S. Baker et al	00	750.6
	W. A. Heck et al. Don C. Ayer et al. H. B. Davidson et al.	do	2,854.4
	U. P. Davidgen et al	Pont of land	50.0
14	W H Wrov	Traveling expenses	10.8
14	I E Dydon	do	45.0
	Garte M Colly	Services	49.5
	F M Hunter	do	82.4
	J. F. Ryder	do	164.8
	H. B. Davitison et al. W. H. Wray J. F. Ryder Gerta M. Colby F. M. Hunter J. F. Ryder W. H. Wray W. L. Wray W. L. Wray	do	375.0
	Ira K. Atherton et al	Salaries	196.1

Date.	Name.	Nature of payment.	Tot
1898.			
ay 14	C. H. Zink et al	Salaries	\$5
	Albert Dean et al	do	1,0
	C. H. Zilik et al. Albert Dean et al. Wm. Thompson et al. Albert E. Behnke et al. J. J. Brougham et al. Geo. C. Faville et al. N. P. Hinkley et al. Frank L. De Wolf et al.	do	1,0
	J. J. Brougham et al	do	1.0
16	Geo. C. Faville et al	do	
	N. P. Hinkley et al	do	1
	Frank L. De Wolf et al	do	
	Frank L. De Wolf et al. Jno. Forbes et al. Thos. Castor et al. S. L. Brooking et al. T. J. Turner et al. Joshua Miller et al. John R. Mohler et al. W. C. Gessford et al. T. R. Riley J. B. Lambie E. B. Woodward Whitall Tatum & Co.	do	1,
	Thos. Caster et al	do	1,
	T. I. Turnor et al	do	1, 1,
17	Joshua Miller et al	do	1,
.,	Jno. R. Mohler et al	do	1.4
	W. C. Gessford et al	do	1
	T. R. Riley	Lumber	- (
	J. B. Lambie	Shovels	
20	Whitell Tetum & Go	Butter	:
	The Kny Scheerer Co	Jars Syringes, etc	
21	The J. F. W. Dorman Co	Conner stencils	
21 24 27	T. K. Kiley J. B. Lambie E. B. Woodward Whitall, Tatum & Co The Kny Scheerer Co The J. F. W. Dorman Co Schwarzschild & Sulzberger Co Boardman Bros	Copper stencils Freight	
27	Boardman Bros	Eggs	
	De Witt Goodrich	Butter	2
ne 4	J. A. Moxley et al	Salaries	
6	Schwarzschild & Shilzerger Co Boardman Bros De Witt Goodrich J. A. Moxley et al Thos. V. Cole Thos. A. Bray Geo. C. Moser W. E. Hill	Services	
1	Geo C. Moser	do	
	W E Hill	do	
	R. P. Steddom Frank C. Eells W. N. D. Bird Thos. L. Rice	do	
	Frank C. Eells	do	
	W. N. D. Bird	do	
	Thos. L. Rice.	do	
0	S.J. Murray	do	
8	W S Coop et al	Salaries	6
	Geo C Faville et al	do	
	A. J. Payne et al	do	
	Geo. Ditewig et al	do	
	Thos. L. Rice S. J. Murray Ira K. Atherton et al. W. S. Cass et al. Geo. C. Faville et al. A. J. Payne et al. Geo. Ditewig et al. W. H. Gibbs et al. Fredk. Braginton et al. T. W. Oshei et al. Jno. C. Parker Chas. Cowie	do	
	Fredk. Braginton et al.	do	
	T. W. Oshel et al.	do	
	Chas. Cowie	Services	
9	Geo A Shehan	Lumber	1,7
10	Geo. A. Shehan A. B. Morse	Services	1,0
	Jas. Irwin	do	
	Moses W. Games	do	
14	E. C. Schroeder S. S. Daish & Son	Office expenses	1
10	S.S. Daish & Son	Oats	
16 18	K. A. Pearson	Traveling expenses	
20	R. A. Pearson J. A. Moxley et al De Witt Goodrich E. A. de Schweinitz	Butter	2
20	E. A. de Schweinitz	Office expenses	2
21	W. A. Schlere, Creamery Package Manufacturing Co Morrison & Manville Egg Crate Co White Star Line Schwarzschild & Sulzberger Co Z. D. Gilman	Boxes for butter Egg crates Transportation	
	Morrison & Manville Egg Crate Co	Egg crates.	
	White Star Line	Transportation	
-	Z D Gilman	do Supplies	
	Geo. A. Shehan	Lumber	1
24	A. Jensen	Rutter	ž
	Pennsylvania R. R. Co	Transportation Butter Stencil plates Butter	
25	E. B. Woodward	Butter	2
	The J. F. W. Dorman Co	Stencil plates	
	Union Creamery Co	Butter	5
97	Jno L. Furn	ao	4
27 29	Geo. A. Shenan A. Jensen. Pennsylvania R. R. Co E. B. Woodward The J. F. W. Dorman Co Union Creamery Co. Iowa Agricultural College Jno. L. Furr J. A. Moxley et al	Services Salaries	1
	oversely commission	Catalios	
	Total in quarter		45.8
,		=	
y 1	Iowa Agricultural College	Butter	5
	De Witt Goodrich	do	2
	Auge Jensen	do	. 6
	Hovey Clarke & Co	do	. 2
2	Auge Jensen E. B. Woodward Hovey, Clarke & Co. J. G. Turnbull	do	1 2
	Lutz & Co David Pifferling	do do Horse brushes, etc	4
		Cattle	2

#### BUREAU OF ANIMAL INDUSTRY-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
July 2	Mackall Bros. & Flemer	Supplies	\$46,07
5	W. H. Rose et al	Salaries	955.80
	H. A. Hedrick et al	do	468.00
7	Schwarzschild & Sulzberger Co	Butter	41.62
8	C. A. Schaufler et al	Salaries	811.51
	Julius Huelsen et al	do	608.10
	A. G. G. Richardson et al.	do	765.78
	W. M. Balmer et al	do	781.55
	L. R. Baker et al	do	911.30
9	A. E. Behnke et al	do	1,530.05
	A. McBride et al.	do	489.50
1	E. P. Schaffter et al	do	773.20
	S. L. Brooking et al.	do	1,318.50
11	N. P. Hinkley et al. Jno. Forbes et al.	dodo	802.61
	Jno. Forbes et al	do	1,653.22
	Morris Wooden et al	do	1,805.69
12	J. J. Brougham et al	do	1,692.73
13	A. Wilson & Bro	Clover	409.30
14	E. A. de Schweinitz	Traveling expenses	38.00
15	C. O. Goodpasture	do	25.70
19	R.O. Kleberg	Donkeys	320.00
20	E. Becker	Halters and harness	149.85
23	H. E. Alvord.	Traveling expenses	159.62
	Chas. Willms Surgical Institute Co	Supplies	7.50
	Creamery Package Manufacturing Co	do	13.67
25	J. Wickenhoefer	Cloth	5.40
26	Merchants' Refrigerating Co	Butter	40.00
27	Pennsylvania R. R. Co	Freight	27.09
Aug. 2	Geo. A. Bond	Traveling expenses	29.00
16	Pennsylvania R. R. Co	Freight	47.01
	Total in quarter		18,603.54
1899.			
June 9	A. J. Payne et al L. R. Baker et al	Salaries	696.80
	L. R. Baker et al	do	942.40
	S. E. Bennett et al		4,674.98
	C. A. Schaufler et al	do	783.50
	A. G. G. Richardson et al	do	795.80
	Ulysses G. Houck et al	do	1,650.16
	A. G. G. Richardson et al Ulysses G. Houck et al Wm. M. Balmer et al	do	889.20
A. A. STORYWOOD	Total in quarter		10, 432. 84
	RECAPITULA	TION	
Total in			001 440 00
Total in	fiscal year of 1898		10 499 04
rotat in	fiscal year of 1899		. 10, 45%. 84

Total in fiscal year of Total in fiscal year of	1898	\$64, 446. 66 10, 432. 84

# ACCOUNTS OF BOND-AIDED AND LAND-GRANT RAILROADS SETTLED BY THE TREASURY DEPARTMENT AND CHARGED TO THE AGRICULTURAL APPROPRIATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July	Southern Pacific Co	Passanger transportation	\$45, 35
o dry	do		5,00
	do		36.55
	đo	do	33.00
	Sioux City and Pacific R. R. Co.	do	3.15
Aug	Southern Pacific Co		19.70
Cont	do		14. 10 3. 15
Sept	do		14.90
Oct	do		34.35
000	do		16.90
Nov	do,		31.45
		do	. 88
		do	9.14
Nov	do	do	$\begin{array}{c} 2.53 \\ 32.20 \end{array}$
Sept	Southern Pacific Co	do	20.90
1899.	Southern Facine Co	uo	20. 50
Feb	do	do	17.80
	do		14.10

### ACCOUNTS OF BOND-AIDED AND LAND-GRANT RAILROADS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct	Southern Pacific Co	Passenger transportation	\$12.43
1899.	do	do	16.90
Apr	do	do	14, 10 . 64
Jan	do	do	. 50
1898.	a_	a.	9 60
Dec	do	do	2.60 2.67
1899. Jan	do -	đo	. 86
) all	Louisville and Nashville R. R.	do	. 75
Mar	Southern Pacific Co	do	10.60 5.00
Oct	do Union Pacific R. R. Co Southern Pacific R. R. Co Union Pacific R. R. Co do do	Transportation	1.63
Nov	Union Pacific R. R. Co.	do	1.22 3.08
	do	do	1.83
	Total		429.36
,	WEATHER BUREAU—SALA	RIES, TEMPORARY.	
Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Lucy Payne et al	Salaries	\$68.20 68.20
July 30 Aug. 31 Sept. 30	do	do	68, 20 66, 10
	Total first quarter		202.50
Oct. 31	Lucy Payne et al		68. 20
Nov. 30	do	do	66.10
Dec. 31	do	do	68.20
1899.	Total second quarter		202.50
Jan. 31	Lucy Payne et al	Salaries	69.75
Feb. 28 Mar. 31	do	do	18.00 91.03
	Total third quarter		178.78
Apr. 29	Lucy Payne	Salaries	94.30
Apr. 29 May 31 June 30	Lucy Payne Orris W. Roberts	Services	61.40
June 30	do	do	59.30
	Total fourth quarter		215.00
	RECAPITULA	TION.	
First qua	arter		\$202.50
Third qu	uarter larter luarter		202.50 178.78
			215.00
Tot	cal	******	798.78
	WEATHER BUREAU—FUEL, L	IGHTS, AND REPAIRS.	
Date.	Name.	Nature of payment.	Total.

Date.	Name.	Nature of payment.	Total.
1898. July 30 Aug. 10 19 27 31 Sept. 2 7	Joshua Carey et al Geo. F. Bowman Washington Gas Light Co. Geo. F. McAvoy Seth Schell Joshua Carey et al Wm. J. Zeh Geo. F. Bowman	Gas Extending gas pipe Repairs to Weather Bureau Salaries Coal	368. 70 97. 60

#### WEATHER BUREAU-FUEL, LIGHTS, AND REPAIRS-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 17	Jas. B. Lambie	Door lock	\$0.75
	M. O'Callaghan	Repairs to roof	12.00
30	M. OʻCallaghan John Moran Joshua Carey et al	Salaries	12.00 12.75 357.60
30	Total first quarter		1,473.65
0 1 1		a	
Oct. 1	Washington Gas Light Co Thos. Somerville & Sons	Gas Supplies for heating apparatus Pane of glass	15.80
	337 TT D41	Pane of glass	15.27 1.76
4	Estate of Mary A. Schneider	Repairing speaking tube	5.00
14	W. H. Butler Estate of Mary A. Schneider Geo. F. Bowman. Washington Gas Light Co. Joshua Carey et al Justan's Fire Alarm Co.	Hauling rubbish	4.50
24 31	Joshua Carev et al	Gas	23. 20 368. 70
Nov. 2	Justan's Fire Alarm Co.	Ralaries Rental alarm box Hauling rubbish Supplies Cleaning flues, etc Lawn mowers Linings for furnace	12.50
	Geo. F. Bowman India Alkali Works Frank Boyden	Hauling rubbish	11. 70
9	India Alkali Works	Supplies	6.00 6.50
10	Barber & Ross	Lawn mowers	9,00
-	Smith Pettit Thos. P. Baldwin F. A. Tschiffely, jr M. Du Perow	Linings for furnace	8.00
177	Thos. P. Baldwin	Repairing and materials	9.50
17	M Du Parow	Supplies and services	10.08 116.00
	Thos. Somerville & Sons	Supplies	1.75
	Thos Somerville & Sons. Washington Gas Light Co. Chas. Becker W. H. Butler	Linings for furnace Repairing and materials Supplies Supplies and services Supplies Gas Supplies do Supplies Gas Supplies Supplies Supplies Supplies Supplies Supplies Supplies Glass Salaries	28.10
30	Chas. Becker	Supplies	5. 14
30	John Moran	Supplies and services	$\begin{array}{c} .45 \\ 40.75 \end{array}$
	W. H. Butler	Glass	2.84
	Joshua Carey et al	Salaries	350.99
Dec. 2	Geo. F. Bowman	Services Iron Supplies	5.00 4.30
10	Geo. F. Muth & Co	Supplies	14.50
	W.H. Butler John Moran W. H. Butler Joshua Carey et al Geo. F. Bowman Jas. B. Lambie Geo. F. Muth & Co Chas. Werner Wm. J. Zeh do W.H. Butler do	Fuel	3.85
	Wm. J. Zeh	do	103, 13 103, 31
	W H Butler	Supplies	1.38
	do	do	5, 48
20 22 31	do Geo. F. Bowman Washington Gas Light Co Joshua Carey et al	Hauling Gas Salaries	7. 40 25. 90
22 31	Washington Gas Light Co	Salarias	25. 90 376. 54
91			
	Total second quarter		1,704.32
1899.	To a CONTRACTOR	Consideration of the	= 00
Jan. 3	Church & Stephenson	Gas pipe, etc	5.00 96.00
7	Jas, O'Hagan Church & Stephenson Jno. Moran J. T. Walker Sons W. H. Butler M. O'Callaghan Wm. J. Zeh	Repairs to sewer	65.80
4.1	J. T. Walker Sons	Wall finish	9.50
14	W. H. Butler	Paneira to Weether Pureer	1.50 5.00
	Wm. J. Zeh	Coal	1.25
	do	do	103, 65
99	Standard Oil Co	Oil	6. 12 4. 40
23 24	Standard Oil Co Barber & Ross Washington Gas Light Co	Gas pipe, etc. Lumber Repairs to sewer Wall finish Glass. Repairs to Weather Bureau Coal do Oil Doors Gas	29.80
WE	Wm. H. Baum	Coal	8.50
00	Wm. H. Baum Instantaneous Fire Alarm Co	Fire-alarm hoves	12.50
26 31	B. Currin	Manure Salaries	9.00 400.83
Feb. 2	Geo. F. Bowman	Removing rubbish	12.60
7	C. A. Woolsey Paint and Color Co	Removing rubbish Wood filler	. 43 34.00
18	Washington Gas Light Co	(†as	
	Coo R Torroy	Lamp chimneys Lubricator	$\begin{array}{c} 1.14 \\ 25.00 \end{array}$
	Thos. Somerville & Sons.	Elbows, etc	1.73 103.28
	Wm. J. Zeh	Coal	103. 28
	B. Currin Joshua Carey et al Geo. F. Bowman C. A. Woolsey Paint and Color Co Washington Gas Light Co C. A. Muddiman & Co Geo. B. Torrey Thos. Somerville & Sons Wm. J. Zeh Hugh Reilly	Supplies for repairs to Weather Bureau.	1.20
	Melville Lindsay	Hogo	24.50
	Rudolph, West & Co	Night latch, lock, etc	14.71
0.1	Geo. F. Muth & Co.	Oil	1.60 2.75
24	Melville Lindsay. Rudolph, West & Co Geo F. Muth & Co. C. A. Muddiman & Co. Thos. Somerville & Sons	Night latch, lock, etc Oil. Drop light Drop light, etc. Material for repairs to Weather	2.75 4.75
	mi - C	Material for repairs to Weather	65.25
	Thos, somervine & sons		
		burean.	0.00
	Ino Moran	Tran cover	3.50 12.00
		Tran cover	3.50 12.00 10.15

### WEATHER BUREAU-FUEL, LIGHTS, AND REPAIRS-Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
'eb. 24	Z. D. Gilman	Shellac	\$2.0
00. 21	Chas. Becker	Hard-oil finish	6. 5
	do	White lead	2. 5 30. 0
	J E Turton	Plastering	30.0
	do Geo. F. Muth & Co Joshua Carey et al Geo. F. Bowman	do	22. 0 2. 0
	Geo. F. Muth & Co.	Asphaltum	2.0
28	Joshua Carey et al	Salaries Hauling rubbish	382.8
far. 2	Geo. F. Bowman	Hauling rubbish	4.0
3	Barber & Ross	Sash	4.0
16	Chas. Werner W. H. Butler	Coal	3.9
	W. H. Butler	Glass	1.5
18	Royce & Marean	Supplies Ground glass	15.4
	Hugh Reilly	Ground glass	2.0
	Hugh Reilly Francis Miller M. O'Callaghan Washington Gas Light Co	Drop black	3.2
	M. O'Callaghan	Repairing roof	15.0
	Washington Gas Light Co	Gas	33. (
			12.7
23	Geo. F. Bowman	Hauling rubbish	11.
0.0	Geo. F. Bowman W. J. Zeh Joshua Carey et al	Ground glass Drop black Repairing roof Gas Coal Hauling rubbish Coal	104.3
31	Joshua Carey et al	Salaries	419.
	Total third quarter		2, 156.
pr. 13	Wm. J. Zeh	Coal	103.
p1. 10	do M. O'Callaghan	Repairing roof at Weather	104. 8 5. 6
		Dureau.	
20	Francis Miller	Oil	4.
20 21	do	Cherry stain	3.
21 26	Washington Gas Light Co Instantaneous Fire Alarm Co	Gas	34.
26	Instantaneous Fire Alarm Co	Fire-alarm service	12.
	Jno. Moran C. A. Muddiman & Co	Repairs to Weather Bureau	1.0
	C. A. Muddiman & Co	Glass globes, etc	20.
90	Church & Stephenson Joshua Carey et al Geo. F. Bowman	Lumber Salaries	121.3 417.3 9.7 2.0
29	Joshua Carey et al	Salaries	417.
lay 3 16	D. M.	Hauling	9.
10	P. Mann The National Electrical Supply Co	Mica joints	ĩ.:
	Francia Miller	Oil, etc	5.
18	Francis Miller Geo. F. Muth & Co. Hugh Reilly M. Du Perow	Putty	9.
10	Hugh Roilly	Paint, etc	7.
	M Du Perow	Sockete	i.
	M. O. Callaghan	Sockets Repairs to building Gas	3.
	Washington Cas Light Co	Goe	3. 27.
	Washington Gas Light Co Thos Somerville & Sons	Albany grange oto	~
22	Malvilla Lindeav	Albany grease, etc	5. 6.
31	Melville Lindsay Joshua Carey et al Jos. H. Callender	Salaries	462.
une 2	Jos H Callender	Supplies in repairs to electric	9.
	ood. 11. Canonuci	light.	J.
3	Geo. F. Bowman	Hauling rubbish	6.
8	Wm. J. Zeh	Coal	102
	Wm. J. Zeh Geo. F. Muth & Co.	Oil	1
22	Geo. F. Bowman	Hauling rubbish	1. 7.
22 26 30	Geo. F. Bowman Washington Gas Light Co	Gas	23.
30	Joshua Carey et al	Oil Hauling rubbish Gas. Salaries	451.
	Total fourth quarter		1,964.
	Supplemental.		1,00E
alve G		Description 1 C W	
ıly 6	B. Currin	Repairing lawn of Weather Bureau.	5.
11	W. H. Butler Wm. H. Baum Instantaneous Fire Alarm Co Washington Gas Light Co Church & Stephenson	Window pane	1.
	Wm. H. Baum	Coal	4.
17	Instantaneous Fire Alarm Co	Fire-alarm service	· 12.
	Washington Gas Light Co	Gas	17.
ug. 14	Church & Stephenson	Lumber	63.
16	C. A. Schneider's Sons	Lumber Iron railing	4. 12. 17. 63. 419.
	Total		523.

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	1, 704. 32 2, 156. 79 1, 964, 31
Total	7,822.31

### WEATHER BUREAU-CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30 Aug. 22	Capital Traction Co. W. M. Galt & Co. Nicolangelo Sampogno. Great Falls Ice Co	Street-car tickets	\$20.00
Aug. 22	W. M. Galt & Co	Forage Sharpening mowers Ice	22, 50
	Great Falls Ice Co	Ice	2.00 27.59
Sept. 1	Pearce & Lawton Church & Stephenson Jno. C. Parker Eugene M. Tilden	Silk curtain	4.50
	Ino C. Parker	Silk curtain Lumber Paper weights Ink pad Hoof packing Repairing carriage Electric fans Washing towels Electric fans, etc	150.35
7	Eugene M. Tilden	Ink pad	3.82 3.60
	Eugene M. Tilden Clarendon Smith. Pearce & Lawton Jno. R. Galloway Helen B. Turner M. Du Perow M. Silverburg & Co Easton & Rupp E. Morrison Paper Co Z. D. Gilman The J. C. Ergood Co Herman Baumgarten Chas. R. Edmondson	Hoof packing	4.50
	Jno R. Galloway	Repairing carriage	2. 25 36. 00
	Helen B. Turner	Washing towels	9.09
	M. Du Perow	Electric fans, etc	101.70
	Easton & Rupp	Molding, etc  Baskets, etc.  Rubber bands  Sulphuric acid  Soap  Dating stamps  Buckets	1.40 14.40
	E. Morrison Paper Co	Rubber bands	101.90
	Z. D. Gilman	Sulphuric acid	5.32
	Harman Baumgarten	Soap	23.85
	Chas. R. Edmondson	Buckets.	23. 85 2. 50 3. 30
	Rudolph, West & Co	Supplies	59.54
	Chas. R. Edmondson Rudolph, West & Co Rufus P. Clarke Mackall Bros	Sponges, soap, etc	32.60 41.65
	Wm. Ballantyne & Sons Monarch Manufacturing Co. Chadwick Copying Book Co.	Dacing stainps Buckets Supplies Towels, etc Sponges, soap, etc Physical Review Liquid gum Letter book Twine	2.50 21.00 36.36 22.75 7.20
	Monarch Manufacturing Co	Liquid gum	21.00
	Jno. P. Nawrath	Twine	30.36 22.75
	Jno P. Nawrath E. J. Brooks & Co United States Express Co Woodward & Lothrop	Numbering machine Transportation Canton flannel	7.20
	United States Express Co	Transportation	13.85 5.00
13	Jno. C. Parker	Paper ink etc	231.96
	W. B. Moses & Sons	Paper, ink, etc Furniture Phosphorus paste Dynamo oil	94.33
17	Estate of M. W. Beveridge	Phosphorus paste	2.40 6.24
	E. J. Pullman	Supplies	6.30
	W. H. Hoeke	Supplies Carpet sweeper Whip, hoof dressing, etc	3.00
	Wm Ballantyne & Sons	Whip, hoof dressing, etc	6. 10 7. 50
19	Woodward & Lothrop Jno C. Parker W. B. Moses & Sons Estate of M. W. Beveridge Standard Oil Co E. J. Pullman W. H. Hoeke Lutz & Co Wm. Ballantyne & Sons Wyckoff, Seamans & Benedict James B. Lambie Melville Lindsay W. M. Galt & Co Albert Kahlert & Co Helen B. Turner Washington City Postmaster J. H. Thiemeyer	Atlas. Typewriter tables	9.00
	James B. Lambie	Supplies Rubber washers	78.30 1.00
	W. M. Galt & Co	Oats etc	22.40
	Albert Kahlert & Co	Oats, etc Cleaning carpet, etc Washing towels Postage	22.40 3.76
20	Helen B. Turner Weshington City Postmoston	Washing towels	10. 49 248. 00
20 21	J. H. Thiemeyer	Boxes	15.12
	The White, Čorbin Co	Boxes Envelopes	15.12 21.75
	Total first quarter		1,550.67
Oct. 1	Pearce & Lawton	Repairs to carriage	1.50
	M. Du Perow Lutz & Co	Ceiling fans Harness and whips Loe Lumber	8.00
	Great Falls Ice Co	Harness and Whips	5. 00 32. 53
	Church & Stephenson	Lumber	26, 45
	Great Falls Ice Co. Church & Stephenson W. M. Galt & Co. S. J. Meeks	Forage	22.40 47.25
		riage.	
	Easton & Rupp. Rudolph, West & Co W. B. Moses & Sons The Bailey Manufacturing Co. The J. F. W. Dorman Co do Rudolph, West & Co	Enveloped	$\begin{array}{c} 21.15 \\ 23.00 \\ 17.00 \end{array}$
i i	Rudolph, West & Co	Screws.	. 23.00
	The Bailey Manufacturing Co	Supplies	9.00
	The J. F. W. Dorman Co	Envelopes Screws Furniture Supplies Ink pads Brass stencils	6.60
	Rudolph Wost & Co	Brass stencils	1.50
	do	Supplies Scales	14.65 27.00
		Sunnlies	1.75 3.35
	Jas. B. Lambie	Belt lacing tallow etc	3.35 10.00
	do Houghton & Delano	Door check Belt lacing, tallow, etc Lantern-slide box	1.00
	Geo. F. Muth & Co	Glue, oil, etc Typewriter	8.48
	Adams Express	Transportation	92. 25 5. 50
	R. Carter Ballantyne	Transportation Wrapping paper, etc Picture mats Booksdo	90.19
	Fred A. Schmidt	Picture mats	5.47 6.00
	d. E. Stechertdo	do	3.85
4	Houghton & Delano. Geo. F. Muth & Co Smith Premier Typewriter Co. Adams Express R. Carter Ballantyne Fred A. Schmidt G. E. Stechert. do. Z. D. Gilman Ino C. Payler	Ether Pads, thumbscrews, etc	8.50
	Jno. C. Parkerdo	Pads, thumbscrews, etc	16.50 5.00
		Onpo	0.00

#### WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
000			
898. t. 4	R. L. Saunders	Pasturing horse	69
	Rufus P. Clark United States Express	Tape	\$2. 14.
0	United States Express	Tape Transportation	3
	Omed States Express. N.P. Imlay Rudolph, West & Co Adams Express Co Wyckoff, Seamans & Benedict W.B. Moses & Sons. G.F. Muth & Co. Myleria Linder.	Recaning chair	3. 1. 19. 19. 1. 6.
	Rudolph, West & Co	Nails	19.
	Adams Express Co	Transportation	19.
18	Wyckoff, Seamans & Benedict	Repairing typewriter Water cooler Glue	1.
	W. B. Moses & Sons	Water cooler	6.
	G. F. Muth & Co	Glue	9.
	Melville Lindsay. Rudolph, West & Co. C. A. Woolsey Paint and Color Co.	GIOVES	3. 3.
	Rudolph, West & Co	Nails	3.
10	U. A. Woolsey Paint and Color Co	Kalsomine Washing towels	0.
19 24	Helen B. Turner Hall, Headington & Co	Wilton carpet	106.
WI	Hale & Garber	Horses	300.
28	G B Van Nost	Transportation	10.
v. $\widetilde{2}$	G. B. Van Nest W. B. Moses & Sons	Desk, chairs, etc	67.
	Great Falls Ice Co	Ice	26.
5	Jno. C. Parker	Fountain pens, etc	11.
	do	Dictionary stand	4.
	W. M. Galt & Co	Forage Dating stamp Oil stoves	11.
	Herman Banmgarten	Dating stamp	2.5
8	F. P. May & Co	Oil stoves	5.
10	F. P. May & Co Washington Wood Working Co Library Bureau 	Mahogany cases	499.
	Library Bureau	Catalogue cards	72
	Whiteside 6 W. Hen	Amica and have madicine	4.
	whiteside & waiton	Arnica and norse medicine	1.
	Geo. E. Stechert	Scientific publications Pencils Niagara clips Supplies Oil Supplies Dan	9 5
	C. S. Braisted Niagara Clip Co. M. G. Copeland & Co Geo. F. Muth & Co. Jno. H. Magruder R. C. Ballantyne C. Haldeman	Ningana aline	
17	M & Copeland & Co	Sunnline	1. 8.
1.	Geo F Muth & Co	Oil	1.
	Jno H Magruder	Supplies	1.
	R. C. Ballantyne	Pens	1.
	C. Haldeman	Pens Services and material	3.
	C. Haldeman Great Falls Ice Co	Ice	22
	Adams Express Co	Transportation	9
	Adams Express Co-United States Express Co-	do	14
30	J. R. Buckelew	Repairs to typewriter	
	Lutz & Co	Repairs to typewriter Repairs to harness	2
	W. M. Galt & Co Geo. F. Muth & Co Whiteside & Walton	Supplies	20.
	Geo. F. Muth & Co	do	5.
	Whiteside & Walton	do	3.
	Jas. B. Lambie The J. F. W. Dorman Co	do	3.
c. 9	Pumpello's Proce Clipping Pupper	Clippings	6.
16	Burrelle's Press Clipping Bureau Great Falls Ice Co W. M. Galt and Co	Clippings	37.
10	W M Galt and Co	Supplies	19. 22.
	Ino C Parker	Forage Supplies and services	130
	Jno. C. Parker The J. F. W. Dorman Co	Stencils	100
	W.G. Duckett	Oil	5
	W.G. Duckett Helen B. Turner	Services	9.
	C. K. Judson	Supplies	39
	M. Du Perow	Suppliesdo	6.
	do	do	4 15
	M. G. Copeland & Co The White, Corbin & Co	Tarpaulin	15.
	The White, Corbin & Co	Envelopes	65.
	W. B. Moses & Sons	Supplies	4.
22	Willard Manufacturing Co	Cuppings	18.
44	Adams Express Co.	Supplies	7.
	W. B. Moses & Sons Burrelle's Press Clipping Bureau Willard Manufacturing Co. Adams Express Co. W. H. Hoeke	Clippings Supplies Transportation Supplies and services Services	18.
	Helen B. Turner	Services	5. 8.
	and an armor	DOI 11003	0.
	Total second quarter		2,274.
	1 444 001		~, ~! T.
399.			
ı. 3	F. P. May & Co	Supplies	6.
	Louis Hartig United States Express Co	Horseshoes	6. 8.
	United States Express Co	Transportation	8. 21.
	Louis Hartig W. M. Galt & Co.	Forge	21.
	W. M. Galt & Co.	Forage	23.
	Fred A. Schmidt	Picture hooks	
4	Church & Stephenson The Washington Wood Working Co	Lumber	83.
4	Mackell Bros	Molding	8.
13	Wyckoff Saamans & Ronadiat	Brushes, etc	49.
19	W M Galt & Co	Repairs to typewriter	4.
	Mackall Bros Wyckoff, Seamans & Benedict W. M. Galt & Co. W. B. Moses & Sons	Forage	22. 2.
	Jno. C. Parker	Repairing chair	3.
		1 4000	

### WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total
1899.			
an. 13	Jno. C. Parker United States Express Co	Repairs to typewriter	\$3 12
	United States Express Co Jas. B. Lambie The Andrew J. Joyce Carriage Co. Rudolph, West & Co. Mackall Bros. Postmaster, Washington, D. C. Albert Kahlert & Co. do. W. B. Moses & Sons	Transportation Horse brushes	12
	Jas. B. Lambie	Horse brushes	11
	Pudolph Wort & Co	Repairing carriage lamp	6
	Mackall Bros	Horseshoe nails  Borax Postage stamps Relaying carpets, etc Cleaning rugs Window shades Pomade Parks	14
18	Postmaster, Washington, D. C.	Postage stamps	100
20	Albert Kahlert & Co	Relaying carpets, etc.	13
	do	Cleaning rugs	2 5
	do W. B. Moses & Sons Geo. F. Muth & Co Easton & Rupp Jas. B. Lambie Lutz & Co	Window shades	2
	Geo. F. Muth & Co.	Pomade	5
	Easton & Rupp	Pads Supplies for blacksmiths Bridle bit	1
	Jas. B. Lambie	Supplies for blacksmiths	42
28	Lutz & Co	Bridle bit	1
	do	Repairs to halter Street-car tickets Transportation Carriage robe, cape, etc.	20
	Adoma Erropa as Co	Tuongnowtotion	20
	Capital Traction Co. Adams Express Co. J.Y. Davis's Sons. Great Falls Ice Co.	Carriego robo como eta	17
	Great Falls Ice Co	Ice	£0 18
	Helen B Turner	Washing towels	8
30	Burrelle's Press Clipping Bureau	Press clippings	8 42
eb. 1	The White, Corbin & Co	Envelopes	4
17,	Helen B. Turner.	Washing towels	10
/	R. Carter Ballantyne	Staple binders	20
	Library Bureau	Cards	3
	Jas. B. Lambie	Carry Carry Combs.  Carry Combs.  Cards.  Cards.  Cards.  Curry Combs.  Supplies.	20
	Great Falls Ice Co. Helen B. Turner Burrelle's Press Clipping Bureau The White, Corbin & Co Helen B. Turner R. Carter Ballantyne Library Bureau Jas. B. Lambie do do C. Cecker	Supplies Horseshoes, etc	20
	do	Horseshoes, etc	23
	C. Becker F. P. May & Co Lutz & Co	Horse covers, etc.	27
	Tarta & Co	Files for carpenter shop Whip Repairs to Weather Bureau har-	1
	do	Ranging to Weather Burger her	1 5
		ness.	9
	Hugh Reilly	Brush	1
	The Smith Premier Typewriter Co	Typewriter	91
	Hugh Reilly The Smith Premier Typewriter Co. W. B. Moses & Sons	Carpet, etc.	42
	do	Desk	22 15
	do	do	15
	J. Baumgarten & Sons	ne:S. Brush Typewriter Carpet, etc Desk do Stamp Toilet paper Supplies for carpenter shop Awnings Oats	9.
	Jno. C. Parker	Toilet paper	33
	Rudolph, West & Co	Supplies for carpenter snop	12
	W. W. Colt & Co	Oats	4
	W. M. Gall & Co.	Oats	10
j	Ino Hangan	Renairing clock	7 5
	W B Moses & Sons	Repairing chair	1
	do do do J. Baumgarten & Sons Jno. C. Parker Rudolph, West & Co. R. C. M. Burton W. M. Galt & Co. Wm. Ballantyne & Sons. Jno. Hansen W. B. Moses & Sons Union Typewriter and Supplies Co. United States Express Co. W. B. Moses & Sons W. M. Galt & Co.	Oats Scientific publications Repairing clock Repairing chair Repairing caligraph Transportation Chair Foragedo	6
	United States Express Co.	Transportation	26
	W. B. Moses & Sons	Chair	4
	W. M. Galt & Co	Forage	10
	do	do	13
	Library Bureau	Cards	7
20	Jas. B. Lambie The J. F. W. Dorman Co	Dubbon stamps	7
20		do	1 3
	The Never Slip Manufacturing Co	Supplies for blacksmith shop	15
	Kenffel & Esser Co.	Go Cards Shoe calks Rubber stamps do Supplies for blacksmith shop Paper Telegraph service	28
ar. 13	The Never Slip Manufacturing Co	Telegraph service	28 32
	do	do	33 2 73
16		Autograph hand stamp	. 2
Y	Smithsonian Institution	Transportation of exchanges	73
	United States Express Co	do*	14
	W. M. Galt & Co	Forage Packing boxes Rubber stamps	11
	The I E W Dorman Co	Rubber stamps	11 2
18	I Baumgartan & Sons	Stamps	5
10	Latz & Co	Repairs to harness	1
	do	Whip	4
	Wyckoff, Seamans & Benedict	Repairs to typewriter	- Z.
	Great Falls Ice Co	Ice	15.
	do	do	15. 19. 8.
	Helen B. Turner	Washing towels	8.
	Jno. C. Parker	Rubber stamps Stamps Repairs to harness Whip Repairs to typewriter Ice do Washing towels Pencils, paper, etc Letter press, etc Files do	512.
	D.G	Letter press, etc	30.
	R. Carter Ballantyne	rnes	10.
	United States Express Co W. M. Galt & Co J. H. Thiemeyer The J. F. W. Dorman Co J. Baumgarten & Sons Lutz & CodoWyckoff, Seamans & Benedict Great Falls Ice Cododo Helen B. Turner Jno. C. Parkerdodododo W. B. Moses & Sonsdo	do	512. 30. 13. 33. 3. 1.
	W. D. Moses & Sons	Renairing chair	ə. 1
		INCOMENTAL CONTRACTOR OF THE PROPERTY OF THE P	1.

#### WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total
1899.			
pr. 1	The J. C. Ergood Co Rogers Manifold and Carbon Paper Co Capital Traction Co Mackall Bros W. M. Galt & Co	Soap	\$2.
. <u> </u>	Rogers Manifold and Carbon Paper Co	Soap Carbon paper Street-car tickets	20
	Capital Traction Co	Street-car tickets	20.
	Mackall Bros	Supplies Forage	1.
	W.M. Galt & Co	Forage	16 16
	Fred A. Schmidt The Smith Premier Typewriter Co. Burrelle's Press Clipping Bureau Chadwick Copying Book Co. Library Bureau do Jas. B. Lambie	do Paper Repairing typewriter Press clippings Letter books Desk Walnut case Supplies Repairs to clocks Picture frame Dating stamp Lee	6
	The Smith Premier Typewriter Co	Repairing typewriter	7
20	Burrelle's Press Clipping Bureau	Press clippings	7. 15.
	Chadwick Copying Book Co	Letter books	50.
	Library Bureau	Desk	98
	do	Walnut case	9
	Jas. B. Lamole	Popular to alcele	6
	M Silverberg & Co	Picture frame	1 5 2
	J. Baumgarten & Co	Dating stamp	2
	Great Falls Ice Co	Ice	22 12
	Helen B. Turner	Washing towels	12
	Capital Traction Co	Car tickets	
	S. J. Meeks.	Repairs to carriage	121
21 26	Jas. B. Lambie Jno. Hanson M. Silverberg & Co J. Baumgarten & Co Great Falls Ice Co Helen B. Turner Capital Traction Co S. J. Meeks United States Express Co Adams Express Co do do	Dating stamp  Ice  Washing towels  Car tickets  Repairs to carriage  Transportation  do  do  do  do	121 9 14 23
26	Adams Express Co	do	14
	do	do	25. 7.
	do do Lutz & Co Clarendon Smith W. M. Galt & Co Fred A. Schmidt do Rudolph, West & Co do E. J. Pullman do The Chesapeake and Potomac Telephone Co.	do do do Hoof dressing Hoof packing Forage Paper Supplies do Stepladder Supplies do Telephone service	1
	Clarendon Smith	Hoof packing	4
	W. M. Galt & Co.	Forage	15
ay 16	Fred A. Schmidt	Paper	1.
	do	Supplies	1
	Rudolph, West & Co	do	3
	T. I. Dullman	Stepladder	1.
	e.s.ruman	Supplies	1.6
	The Chesaneake and Potomac Telephone	Telephore service	0.
	Co.	relephone service	
	do	do	32.
	Great Falls Ice Co	Ice	24.
	Easton & Rupp	Envelopes	8.
	D. N. Walford	Bicycle foot pump	11
	W. M. Galt & Co	Forage	11.
	R C Rollontyna	Evolete	33. 1.
	E M Tilden	Type	2
	Rudolph Jose	Repairs to bicycle	3.
17	Geo. E. Stechert	Publications	79.
	dodododododododo.	do Ice Envelopes Bicycle foot pump Forage Furniture, etc Eyelets Type Repairs to bicycle Publications Washing towels Stamps do Ink Screen	9
18	The J. F. W. Dorman Co	Stamps	1.
	T. T. Danielan	T-1-	1.
ne 8	The Inline Lenghamb Famitum and Con	Ink.	1.
ne o	pet Co.	Screen	5.
	Fred A. Schmidt	Paper	3.
	pet Co. Fred A. Schmidt C. Becker Lutz & Co W. M. Galt & Co. Jno. R. Galloway Woodward & Lothrop The Smith Premier Typewriter Co. Jas. B. Lambie Jno. C. Parker Jennie T. Thomson The J. F. W. Dorman Co Geo. E. Stechert The J. F. W. Dorman Co Great Falls Ice Co Helen B. Turner	Paper Halter and strap Horse collar Forage Electric fan Muslin Repairing typewriter	1
	Lutz & Co	Horse collar	5.
	W. M. Galt & Co.	Forage	20.
	Jno. R. Galloway	Electric fan	18.
	Woodward & Lothrop	Muslin	6. 5.
	Ine Sillith Fremier Typewriter Co	Wine eleth ete	5.
	Ino C Parker	Repairing typewriter Wire cloth, etc Fountain pen Embossing envelopes Rubber stamps Publications Rubber stamps	14. 5.
16	Jennie T. Thomson	Embossing envelopes	99
	The J. F. W. Dorman Co	Rubber stamps	2.
	Geo. E. Stechert	Publications.	4.
17	The J. F. W. Dorman Co	Rubber stamps	4. 6.
19	Great Falls Ice Co	Ice	27.
	Helen B. Turner	Ice Washing towels Engineering Magazine	12. 1.
	wm. Ballantyne & Sons	Engineering Magazine	1.
26	Jno C Parker	Pongining letter proces	40.
~0	C. Becker	Renairing harness	12. 17.
	Helen B. Turner Wm. Ballantyne & Sons Jas. P. Wilett. postmaster Jno. C. Parker C. Becker W. H. Hoeke	Postage stamps. Repairing letter press Repairing harness Window shades	15.
	Total fourth quarter	- Tindow shades	994.
	Supplemental.	=	
ly 11	The Evening Step Newspaper Co	Advantising	~
. 11	The Evening Star Newspaper Co W.M. Galt & Co E.J. Pullman A. Becker	Advertising	7. 15.
	E. J. Pullman	Forage Supplies Repairing harness	4.

#### WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
ulv 11	J. Baumgarten & Sons	Dating stamp	\$2.
•	M. G. Copeland & Co	Awnings	16.
	Adams Express Co	Transportation	7.
	W. B. Moses & Sons	Desk, etc	21.
	The Washington Post Co	Advertising.	8.
12	Krag Manufacturing Co	Supplies	17.
	The J. F. W. Dorman Co	do	8.
	The J. F. W. Dorman Co	Rubber stamps	3.
17	W.G. Duckett	Medicines for horses	1.
	Helen B. Turner	Washing towels	12.
	Great Falls Ice Co	Ice	: 39.
	M. Du Perow	Electric fans	10.
	Harris & Shafer Co	Carriage clock	6.
	United States Express Co.	Transportation	10.
lug. 1	Chesapeake and Potomac Telephone Co	Telephone service	32.
	Royce & Marean The Smith Premier Typewriter Co	Tape	6.
14	The Smith Premier Typewriter Co	Tape Repairing typewriter Supplies Renovating carpets, etc	1.
	M. Du Perow Albert Kahlert & Co	Supplies	248.
	Albert Kaniert & Co	Renovating carpets, etc	20.
	Melville Lindsay	Rubber chair tips	4.
	W. H. Veerhoff United Typewriter and Supplies Co	Glass frame	44.
	W. B. Moses & Sons	Type	11.
	Adams Express Co	Chairs, etc	11. 3.
17	do	Transportation	10.
11	do	do	2.
	Smithsonian Institution	Transporting exchanges	93.
21	The J. F. W. Dorman Co	Rubber stamps	55.
ept. 2	Burrelle's Press Clipping Bureau	Clippings	84.
opt. 2	Fred A. Schmidt	Paper	17.
	G. W. Knox Express Co	Transportation	11,
	J. Baumgarten & Sons	Autograph stamp	:
8	United States Express Co	Transportation	3.
O	do	do	8.
Oct. 5	The J. F. W. Dorman C)	Rubber stamp	ų.
Vov. 10	United States Express Co	Transportation	8.
10	Chieca States Express Co	Transport on dioni	0.
	Total		797.
	A COULTER		

#### RECAPITULATION.

First quarter	\$1,550,67
Second quarter	2,274.72
Third quarter	1,897,76
Fourth quarter	994.39
Supplemental	797.80

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Date.	Name.	Nature of payment.	Total.
1898. July 19	J. G. Gardiner	Trayeling expenses	\$9.00
90	H. W. Richardson Wm. B. Stockman Edw. A. Brown	do	16. 25 15. 60 25. 70
20	P. McDonough. Thos. Crawford. Chas. F. Talman F. J. Randolph	do	34. 40 19. 35 11. 35
22 26	A. B. Wallaber	do	4. 25 57. 00 37. 85
28 30	Willis L. Moore J. P. Church et al W. F. R. Phillips et al	Traveling expenses	12. 25 2, 515. 43 236. 93
Aug. 5 12	H. W. Richardson Louis Dorman Morton Brown	Services Traveling expenses	
	T. J. Considine Geo. E. Lawton	do	19. 73 16. 60 . 75
13	Paul De Graw	Servicesdo	74. 40 46. 50

### WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total
1898.			
ug. 13	Alex J. Pollock.  O. C. Burrows.  G. H. Noyes Arthur Westerdahl Leon J. Guthrie Frank Jermin Geo. L. Crane J. C. Piercy J. H. Kimball H. S. Kiely	Services	\$46.
	O. C. Burrows	do	74.
	G. H. Noyes	do	74. 74. 46.
	Arthur Westerdall	do	74.
	Frank Jarmin	do	74.
	Geo I. Crane	do	46.
	J. C. Piercy	do	3.
17	J. H. Kimball	do	74.
	H. S. Kiely R. P. Powell Wm. B. Schlomer Samuel Bacon, jr Bickham Burwell H. W. Glasser Johnson Fisher ROY D. Chanin	do	46.
	R. P. Powell	do	74.
	Wm. B. Schlomer	do	74.
	Samuel Bacon, jr	do	43.
	Bicknam Burwell	do	46. 46.
	Tohnson Fisher	do	46.
	Roy D. Chanin	do	46.
	Chas A Hyla	do	74
	L. H. Daingerfield	do	74
18	Norman B. Couger	Office expenses	8
10	Geo. E. Lawton	Traveling expenses	16.
19	M. Wright	Office expenses	8. 16. 2.
	U. G. Purssell	do	1.
	F. A. Davis	Traveling expenses	9.
	Johnson Fisher Roy D. Chapin Chas. A. Hyle L. H. Daingerfield Norman B. Conger Geo. E. Lawton M. Wright U. G. Purssell F. A. Davis H. C. Merrill Geo. E. Lawton N. B. Conger	dodo Office expenses Traveling expenses do Traveling expenses do do do do do do do	6. 20.
	Geo. E. Lawton	do	20.
	N. B. Conger E. B. Garriott Chas. Carter Beverly Hudnell W. E. Oliver H. O. Wilbur J. E. Turton	do	14.
20	Chac Carton	do Cleaning map	29.
20	Reverly Hudnell	do	
	W E Oliver	Travelingevnenses	13
22	H.O. Wilbur	do	75
	J. E. Turton	Shelter and supports	408
25	Jas. B. Batev	Services	46.
	Jas. B. Batey Wm. S. Belden C. W. Canfield Jno. K. Hooper	dodo	74 46
	C. W. Canfield	do	46.
	Jno. K. Hooper	do	74. 46.
	Jno. Auhenser	dodoOffice expenses	46
	C. K. Robinson	do	74
	W.S. Palmer	Office expenses	2.
	wayland Balley	D-maining a sali amondo	1.
	C. F. Topog	do Repairing caligraph Repairing telegraph lines	1. 2.
	Harman Smith	do	2.
	Jno. K. Hooper Jno. Auhenser C. K. Robinson W. S. Palmer Wayland Bailey E. L. Hurlburt C. F. Jones Herman Smith E. Kirkpatrick M. M. Spicer F. D. Day & Co. Geo. H. Kendrick Washington Libby	Repairing office chairs	2.
	M. M. Spicer	Repainting instrument shelters	5.
	F. D. Day & Co.	Cleaning meteorograph clock Running cable, etc Services, etc Enameling	2.
	Geo. H. Kendrick	Running cable, etc	10.
	Washington Libby	Services, etc	10.
	Jefferson Terrell	Enameling	2. 4.
	N.D. Woods, jr	Cleaning river gauge	4.
	Geo. H. Kendrick Washington Libby Jefferson Terrell N. D. Woods, jr J. W. Hicks Simon Nausbaum, postmaster Amand Stange F. T. Balch G. M. Lauridsen Ayers & Co E. A. Folsom	Cleaning river gauge Sticks for kite Rental of post-office box	1. 1.
	Amand Stance	Wood Wood	94
	F T Ralch	Wood	24.
	G. M. Lauridsen	do	7.
	Avers & Co	Copper tacks	i.
27	Ayers & Co E. A. Folsom Charleston City Rwy. Co W. P. Fuller & Co. Burrows Bros E. E. Peterson C. L. Dahlberg Jas. Fitzsimons & Co E. C. Cliff	on do Copper tacks Repainting instrument shelters Street car tickets Oil Letterpress stand	3.
	Charleston City Rwy. Co	Street car tickets	15.
	W. P. Fuller & Co.	Oil	4.
	Burrows Bros	Letterpress stand	13.
	E. E. Peterson	Wood	40.
	U. L. Daniberg	Typewriter table	5. 17.
	E C Cliff	Repairs to desk, etc.	17.
31	J. K. Lennov	Typewriter table Repairs to desk, etc. Services in moving furniture Services Salaries	15.
OI	J. P. Church et al	Salaries	9 584
	W. F. R. Phillips et al	do	322
t. 1	Jno. C. Parker	do Letterpress, etc Kite sticks Engraving charts	62. 2,584. 322. 48.
	J. E. Turton	Kite sticks	10.
	J. C. Entwistle	Engraving charts	10.
	A. Zappone	Traveling expenses Putting in bell Painting supports	20.
6	Electric Supply and Manufacturing Co	Putting in bell	4. 2.
	Edward Pfister	Painting supports	2.
	Royce & Marean	Tape	3.
	Kudolph, West & Co	Brushes, etc	22.
	J. C. Ergood Co	Tape	39.
	Jas. Fitzsimons & Co E. C. Cliff J. K. Lennox J. P. Church et al. J. F. R. Phillips et al. Jno. C. Parker J. E. Turton J. C. Entwistle A. Zappone Electric Supply and Manufacturing Co Edward Pfister Royce & Marean Rudolph, West & Co J. C. Ergood Co Fred A. Schmidt Jno. King	Measuring sticks	9.
	Jno. King Broderick Bros	Leather Rags	14.

### WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 6	M. O'Leary United States Express Co A. W. Caine & Co Geo. R. Koester Jno. R. Wyss N. H. Andrus L. Naegele & Sons Young Bros Seattle Typewriter Exchange H. G. Hart The Cowell & Hubbard Co Wyckoff, Seamans & Benedict	Stand Transportation	\$2.50 19.10
7	A. W. Caine & Co	Transportation Ink, etc Printing weekly report Services Repairs to caligraph Printing weekly bulletin Relaying carpet Repairing typewriter Hire horses	5.00
	Geo. R. Koester	Printing weekly report	5.00 13.50
	Jno. R. Wyss	Services	12.00
	L. Naegele & Sons	Printing weekly bulletin	10.00
	Young Bros	Relaying carpet	5.00
	Seattle Typewriter Exchange	Repairing typewriter	15.00 10.00 5.00 3.00 3.00 1.50 2.20
	The Cowell & Hubbard Co	Repairing typewriter Hire horses. Cleaning clock Repairs to typewriter Repairs to telegraph line Drayage Gasoline and oil Ink Services and material do	1.50
	Wyckoff, Seamans & Benedict	Repairs to typewriter	2.20
	E. C. Ewer The Martin Strelan Co. M. Label & Sons	Repairs to telegraph line	5.00
	M. Label & Sons	Gasoline and oil	1.25
	Stafford Drug Co	Ink.	. 90 5. 40
	L. Graham & Son, Limited	Services and material	3.00
	W.A. Small Engels & Grett	Renovating furniture	10.00 14.00
	Maurice Joyce Engraving Co	Supplies	25. 50
	R. C. Ballantyne	Paper	941.83
	R P Andrews	Ull of sassafras	2.40 27.00
	S. P. Johnson	Ink pads	9.60
40	Louis Hartig	Tacks	3.00 55.00
10	Pay roll, New York, N. Y.	Substation salaries	55.00 11.95
	Henry F. Babcock	Services	11.95 62.00
	A. G. Goodloe	, do	6.20 21.00
12	Geo. L. Crane	do	21.00 46.50
1.0	Chas. H. Bushnell	do	46.50
	Henry F. Babcock	do	62.00
	Frank Jermin	do	74.40 74.40
	G. H. Noves	do	74.40
	Leon J. Guthrie	do	74.40
	E. C. Ewer The Martin Strelan Co. M. Label & Sons. Stafford Drug Co. L. Graham & Son, Limited W. A. Small. Engels & Grett Maurice Joyce Engraving Co. R. C. Ballantyne Z. D. Gilman R. P. Andrews S. P. Johnson Louis Hartig Pay roll, New York, N. Y. F. C. Wildes. Henry F. Baboock A. G. Goodloe Geo. L. Crane. Alex. J. Pollock Chas. H. Bushnell Henry F. Baboock Frank Jermin Jno. K. Hooper G. H. Noyes. Leon J. Guthrie Henry S. Kiely R. D. Chapin Saml Bacon, ir Clarence W. Canfield Bickham Berwell Jas. B. Batey Jno. L. Foote J. K. Lennox Jno. D. Berry Rhodes, Haverty & Jackson A. C. Gile F. S. Dresser Walter O. Luscombe Charley Madison A. M. Maddux & Co August Straus Pioneer Electric Co. Ned Bell T. B. Boland E. L. Hurlburt Jno. B. Hawley L. H. Clow M. Schooler R. A. Widmer H. B. Morgan Juno. C. O'Brien	do	46.50
	Saml Bacon, ir	do	46.50 46.50
	Clarence W. Canfield	do	46.50 46.50
	Bickham Berwell	do	46.50
	Jno. L. Foote	do	46, 50 25, 50
	J. K. Lennox	do	62.00
13	Phodos Hayouty & Jackson	Popeirs to instrument stand	46.50
10	A. C. Gile	Services and material	4.50 7.00
	F. S. Dresser	Repairing telegraph cable	5.00
	Walter O. Luscombe	Hire of steamer, cable repairing	36.00 6.00
	A. M. Maddux & Co	Painting instrument shelter	6.00 8.00
	August Straus	Recasting rollers	5.00
	Ned Bell	Repairing wind vane	6, 00
	T. B. Boland	Plumbing	12.50
	E. L. Hurlburt	Painting instrument shelter	5.00 15.00 6.00 12.50 2.00 10.00 5.00 3.50 3.00
	Jno. B. Hawley	Services and material	5.00
	M. Schooler	Repairing barograph clock	. 3.50
	R. A. Widmer	Painting office signs	3.00
	H. B. Morgan	Repairing meteorograph clock.	$\frac{.75}{8.00}$
	M. N. Weber	do	
	M. Schooler R. A. Widmer H. B. Morgan Juo C. O'Brien M. N. Weber Smith & Farwell Co Little Rock Plumbing Co. Spott & Jefferson Shobid Hunter Fred Calbort	Services and material Repairing barograph clock Painting office signs Repairing meteorograph clock Repairing instrument shelter do Services Repairing electrotype furnace	4.26 2.00 2.50
	Snott & Lefferson	Repairing electrotype furnace.	2.50
	Shobid Hunter	Repairing electrotype furnace. Repairing clock Moving office Service with team Printing monthly report do do Coble	00.00
	Fred. Colbert E. D. Beattie L. Neagele & Son	Service with team	6.00 30.00
	L. D. Beattle	do rining monthly report	25.00
	Jno. R. Robinson	do	33.00 16.80
	National India Rubber Co.	Cable Ink	16.80
	Reading Paper Mills	Paper	35. 10 408. 00
	Austin Smith	Paper	- 86.40 21.00
	Maddox, Ellison & Co.	Furniture	21.00
	L. Neagele & Son Jno. R. Robinson. National India Rubber Co. Geo. Meier & Co Reading Paper Mills Austin Smith Maddox. Ellison & Co. Sargent Transfer Co. Chas A. Hyle. J. H. Kimball	Drayage	3.00 60.00
	I H Kimbell	do	74.40

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
.898.			
pt. 13	Wm. B. Schlomer Wm. S. Belden Robt. P. Powell L. H. Daingerfield O. C. Burrows John D. Berry E. M. Ravenscroft I. M. Cline do Pay roll, New York, N. Y. Geo. Bergen Jno. C. Parker T. W. & C. B. Sheridan Chas. Cooper & Co. Hall. Headington & Co A. W. Roberton W. F. & Jno. Barnes Co. Schneider Bros. The Seth Thomas Clock Co. T. A. Slattery & Bro. Orson Linn Foster Hardware Co Gether & Drebert Ben. H. Doster W. B. Moses & Sons	Services	\$74.4
	Wm. S. Belden	do	74.4 74.4
	L. H. Deingerfield	do	74.4
	O. C. Burrows.	do	74 4
	John D. Berry	do	46.5 7.2 12.7 21.0
	E. M. Ravenscroft	do	7.2
	I. M. Cline	Traveling expenses	12.7
	Downell New York N V	Cubatation colonics	21. (
	Coo Pongon	Pont of ground	55. ( 3. (
	Ino C Parker	Pencils	46.
	T. W. & C. B. Sheridan	Clincher connection.	2.0
	Chas. Cooper & Co	Ammonia	2. ( 5. (
	Hall, Headington & Co	Mats	1.6
	A. W. Roberton	Wood	90.0
	W. F. & Jno. Barnes Co	Saw blades	7.8 2.2
	Schneider Bros	Clear anyings	1.7
	do	Clock springs	1. ( 4. 2
	T A Slattery & Bro	Block	1.0
	Orson Linn	Block Mucilage Supplies Recasting rollers Wood, oil, etc Furniture Office chairs Water cooler Services do do do	1.1
	Foster Hardware Co	Supplies	4.8 7.5
	Gether & Drebert	Recasting rollers	7.5
	Ben. H. Doster W. B. Moses & Sons Rhodes, Haverty & Jackson Ben. H. Doster Johnson Fisher Paul De Graw Jno, Auhenser Chas & Hyle	Wood, oil, etc	17.5
	W. B. Moses & Sons.	Furniture	370. 1 8. 5
	Rhodes, Haverty & Jackson	Office chairs	8.5
16	Johnson Fisher	Sorviges	9.7
10	Paul De Graw	do	46. 5 74. 4
	Jno. Auhenser	do	46.5
	Chas. A. Hyle	do	3.1
	J. W. Smith	Traveling expenses	12.0
	Chas. S. Gorgas	do	12.0 3.5
	N. B. Conger	do	15.5
	H. E. Smith	do	7.2
	Wayland Pailor	00	7.2 6.8 1.7
	Sorbia A Bouter	do	28.8
	H W Richardson	do	8 7
	J. R. Williams	Office expenses	8.7 3.5
	E. H. Emery	do	3.4
	W. W. Neifert	do	2. 6 2. 2
17	Wyckoff, Seamans & Benedict	Cylinder	2.2
	Standard Oil Co	Benzine	4.4
	United Typewriter and Supplies Co	Ink pads	6.4
	do. M. Millig	Wax	2. 0 2. 0
	Geo F Muth & Co	Lantarns ate	113 5
	Jas. B. Lambie	Halvar is etc	25. 4 137. 7 42. 0 1,372. 0
	F. A. Tschiffely, jr.	Mercury	137.7
	Fred A. Schmidt	Supplies	42.0
	M. Du Perow	Batteries, etc	1,372.0
	Broderick Bros	Rags, etc.	14.0
10	L.B. Garriott	Office expenses	8.0
19	Paul De Graw Jno. Auhenser Chas. A. Hyle J. W. Smith Chas. S. Gorgas N. B. Conger H. E. Smith A. H. Thiessen Wayland Bailey. Sophia A. Beuter H. W. Richardson J. R. Williams E. H. Emery W. W. Neifert Wyckoff, Seamans & Benedict Standard Oil Co United Typewriter and Supplies Co W. L. King do Geo. F. Muth & Co Jas. B. Lambie F. A. Tschiffely, jr Fred A. Schmidt M. Du Perow Broderick Bros E. B. Garriott I. M. Cline E. M. Tilden W. H. Hammon	do Lanterns, etc Halyards, etc Mercury Supplies Batteries, etc Rags, etc Office expenses Traveling expenses Lnk pad Traveling expenses do do	128.4 $15.0$
20		Traveling expenses	8.1
	Chas, W. Halsey	do	6.8
	E. A. Beals	do	95.4
	E. H. Emery	Office expenses	12.0
21	J. H. Robinson	Traveling expenses	133.6
	J. E. Turton	Office expenses Traveling expenses Shelters and supports Oil. etc Map circling machine Soap Boyes	290.0
	W m. Yokum	Oil, etc	10.2
	Specialty Coop Manufacturing Co	Map circling machine	10.2 31.5 2.7
	J H Thiemore	Boxes	404.6
	Campbell Printing Press and Manufactur-	Press.	3,500.0
	W. H. Hammon Chas. W. Halsey E. A. Beals E. H. Emery J. H. Robinson J. E. Turton Wm. Yokum Jas. G. Biddle Specialty Soap Manufacturing Co J. H. Thiemeyer Campbell Printing Press and Manufacturing Co ing Co.	1.000	
	Knight & Wall Co	Water cooler	3.0
	E. W. Hathaway	Services	3.0 7.5 4.0
	Beck & Tunnell	do	4.0
	Detroit Electric Wiring and Repair Co	Repairs to electric motor	3.0
	J. B. Miner	Wire screening	5. 7
23	W. H. Marvin	Painting shelter and supports.	3.0
20	Elizh L. Renoe	Traveling expenses	3.4
	ing Co. Knight & Wall Co. E. W. Hathaway Beck & Tunnell Detroit Electric Wiring and Repair Co. J. B. Miner W. H. Marvin G. S. Jones Elizb L. Renoe S. L. Mosby J. W. Smith D. P. McCallum	do	30. 6: 7. 40
	J. W. Smith	do	21.9
	D D 35 0 31	000	4.5

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\tt Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1898.			
pt.23	A. Ashenberger	Traveling expenses	\$2
	J. P. Slaughter J. H. Robinson	Office expenses	3
	J. H. Robinson	Services on bulletins	3
	Arthur Huntington G. W. Waring Western Union Telegraph Co	Repairing instrument shelters.	11
	Western Union Telegraph Co	Constructing loop	11
	Vessell Union Felegraph Co J. C. Field Edwd. Brady & Son. A. E. Newell S. A. Barnes & Co.	Repairing instrument shelter	11
	Edwd. Brady & Son	Shelving	i
	A. E. Newell	Shelving Erection of shelter, etc.	
	S. A. Barnes & Co	Drayage, etc	-11
	Felix M. Rogers & Co Richardson & Campbell		.11
	Enong Proces	Services, etc Repairing furniture Repairing telegraph line	5
	Frank Pryor	Repairing turniture	
	H. G. Hart American Type Founders Co	Removing printing equipment	2
	C. M. Flink	Removing printing equipment. Repairing telegraph line	
	C. M. Flink Bendernagel & Co.	Recasting rollers	
	E. D. Beattie	Printing monthly reports	3
	C. M. Sheets	Services and material	
	H. A. Brock	Repairing telegraph lines	
	J. W. Thompson Alpheus Drinkwater	do do	
	Geo. Meier & Co.	Ink	9
	J. P. Cook	Rubber stamps	·
	M. A. Adsitt	Repairs to typewriter	
	Frank Voll	Repairs to river gauge	
	G. D. Greely E. S. Hughes & Co	Repairs to typewriter	1
	E.S. Hughes & Co.	Material for desk covers	
	R. Kirchner Washburn & Moen Manufacturing Co	Erecting storage closets	1 18
	Chas. E. Johnson & Co.	Ink	75
	Okonite Co. Limited	Cable	. 5
23	D.Stormont	Coal	8
	D. Stormont Hall, Headington & Co. Mettee & Co. Jos. Swift and Wm. H. Swift Pacific States Type Foundry Lindery Morres	Linoleum	2
	Mettee & Co	Window shades	
	Jos. Swift and Wm. H. Swift	Office rent	5
	Pacine States Type Foundry	Rule	
	Holyoke Envelope Co	Use of ground Envelopes	1
	Geo. Bergen Holyoke Envelope Co Binghamton Oil Refining Co Monarch Manufacturing Co	Machine oil Liquid gum Supplies	•
	Monarch Manufacturing Co	Liquid gum	18
	Jno. P. Nawrath J. H. Bunnell & Co	Supplies	3
	J. H. Bunnell & Co.		8
	Jno. F. McLean & Co American Type Founders Co. W. & L. E. Gurley Geo. Meier & Co	Gasoline, etc.	
	American Type Foundam Co	Oil, etc Supplies Spirit levels Supplies	
	W & L E Gurley	Spirit levels	6
	Geo. Meier & Co	Supplies	3
	Schneider Bros	Anemometer cups	5
	Eimer & Amend	Rubber stoppers	
	Levy & Dreyfus Co	Rubber stoppers Smoked glass spectacles Supplies	٠
	Eimer & Amend Levy & Dreyfus Co Julian P. Friez Geo. W. McClellan Chamberlain & Taylor	Supplies	
	Chamberlain & Taylor	Inkdo	
	Griffin & Reed	Ink	
	Ross, Higgins & Co	Oil, etc	
	Griffin & Reed Ross, Higgins & Co Adams Express Co Geo. E. Lawton Hoke Engraving Plate Co	Transportation	. 12 10 6 7
24	Geo. E. Lawton	Transportation Traveling expenses Recoating plates	
	Hoke Engraving Plate Co	Recoating plates	10
	do	do	6
	Hell Headington & Co	Cornet	33
	Chadwick Conving Book Co	Supplies	8
	W. J. Heidt	River gauge	8
	Reading Paper Mills	Wrapping paper	11
	Jesse B. Marsden	Painting office rooms	- 2
30	do do do Hall, Headington & Co. Chadwick Copying Book Co W. J. Heidt Reading Paper Mills Jesse B. Marsden Johnson Fisher Henry F. Babcock Wm. B. Schlomer Saml. Bacon.;ir Wm. S. Belden J. H. Kimball Henry S. Kiely Frank Jermin Jno. L. Foote L. J. Guthrie Jno. D. Berry R. P. Powell	Services	4
	Henry F. Babcock	do	6
	Wm. B. Schlomer	do	7
	Saml. Bacon, jr	do	4
	Wm. S. Belden	do	7
	Honry S Kiely	do	. 4
	Frank Jarmin	do	7
	Jno. L. Foote	do	4
	L. J. Guthrie	do	7.
	7 7	d.	.4

#### WEATHER BUREAU-GENERAL EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1898.	Bickham Burwell Roy D. Chapin Jas. B. Batey L. H. Daingerfield A. H. Gilman M. McNamara O. C. Burrows Alex. J. Pollock M. McNamara G. H. Noyes Chas. H. Bushnell C. W. Canfield		
Sept. 30	Bickham Burwell	Services	\$45.0
	Roy D. Chapin	do	45.0 45.0
	Jas. B. Batey	do	40.0
	A H Gilmon	do	72.0 4.5
	M. McNamara	Services, Ang. 4 to Sept. 16	66.0
	O. C. Burrows	Services	72.0
	Alex. J. Pollock	do	45.0
	M. McNamara	Services, Sept. 17 to 31	21. 0 72. 0
	Ches H Probabl	Services	72.0
	C W Canfield	do	45.0 45.0
	C. W. Canfeld Jno. K. Hooper J. K. Lennox	do	72 0
	J. K. Lennox	do	60.0 72.0
			72.0
	do	do	74.4
	Ino P. Church et al	Colorico	48.8 2,489.8
	. do	do	281.8
1		J.	
	Total first quarter		27, 362.1
Oct. 1	R. C. Ballantyne	Envelopes	27. 78 46. 00
	R. C. Ballantyne Fred A. Schmidt Smith Premier Typewriter Co. Royce & Marean Woodward & Lothrop W. C. Newton & Co. do.	Envelopes Measuring sticks Typewriter Electric motor Muslin Printing ink Supplies do Typewriter, etc. Paper Towels, linen, etc Waste cotton, etc Halyards, etc Furniture	46.00 99.00
	Royce & Marean	Electric motor	99.00
	Woodward & Lothrop	Muslin	6.4
	W. C. Newton & Co	Printing ink	154.88
	do	Supplies	93.3
	dodododododododo.	do	20. 28 195. 76 1. 40
	J. R. Buckelew	Typewriter, etc	195. 78
	R P Clarko	Towels linen etc	105 13
	J. B. Lambie	Waste cotton etc	78.66
	Rudolph, West & Co	Halyards, etc.	185. 13 78. 60 34. 91
	W. B. Moses & Sons.	Furniture	195.28
	Jno. C. Parker	Supplies Typewriter Files	195. 28 101. 68 92. 25 5. 75
	F P May & Co	Typewriter	92.20
	The Maurice Joyce Engraving Co	Logotype	31.80
	Easton & Rupp	Carbon paper	60.00
	United States Express Co	Transportation	60.00 42.45
	Adams Express Co	do	51 85
	H. C. Frankenfield	Office expenses	3.00 9.2
	H C Frankenfield	Traveling expenses	14.00
	W. C. Newton & Co	Services	41.40
	Union Typewriter and Supplies Co	Repairs to caligraph	12.70
	J. C. Entwistle	Engraving for printing office	12.70 5.00
4	A. B. Wollaber	Traveling expenses	35. 25
-	F. P. Holt	do	67.70
	Geo. B. Wurtz	Office expenses	35. 25 67. 70 8. 15 1. 50
	W. B. Moses & Sons Jno. C. Parker J. R. Buckelew F. P. May & Co The Maurice Joyce Engraving Co Easton & Rupp United States Express Co Adams Express Co Adams Express Co H. C. Frankenfield Willis L. Moore H. C. Frankenfield Willis L. Moore H. C. Frankenfield W. C. Newton & Co Union Typewriter and Supplies Co J. C. Entwistle A. B. Wollaber F. P. Holt H. T. Johnson Geo. B. Wurtz Geo. E. Franklin Jas. J. Gray B. M. Jacobs Fred Arnold Pearl J. Hart E. J. Davenport Ella W. Daniels Isaac Blocke Guaranty Building Co A. C. Radcliffe A. E. Huntington Jos. A. Smith O.I. Mairs The Indianapolis Gas Co Tyree & Wilkins, agents T. B. Catron Maggie French The Pacific Club Asher Marks, administrator B. D. Johnson Peter Belcher, agent C. M. Boucher The Farmers' Bank of Fresno Amelia McLean Indianapolis Light and Power Co J. H. Crewford Dresskell & Kenny	do	1.00
	Jas. J. Gray	do	4.25
	B. M. Jacobs	Office rent	15.00
	Poorl I Cont	do	75.00
	E J Devenport	do	15.00
	Ella W. Daniels	do	75.00 75.00
	Isaac Blocke	do	77.50
	Guaranty Building Co	do	126.19
	A. C. Radcliffe	do	75.00
	Jos A Smith	do	84.87
	O. I. Mairs	do	90.00 67.50 250.00
	The Indianapolis Gas Co	do	250.00
	Tyree & Wilkins, agents	do	67.50
	T. B. Catron	do	67.50 105.00
	The Posific Clark	do	74.20
	Asher Marks administrator	do	74. 20 67. 50 77. 25 45. 00
	B. D. Johnson	do	11.25
	Peter Belcher, agent	do	\$3.66
	C. M. Boucher	do	42,00
	The Farmers' Bank of Fresno	do	42.00 115.00
	Amena McLean	Washing towels	3.00 18.00
	THE Carried Light and Power Co	Electric current	18. 00 6. 00 83. 50

### WEATHER BUREAU-GENERAL EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
ct. 4	Julian P. Friez Mackall Bros Jas. B. Lambie Jno. C. Parker	Supplies and service	\$2,408.
	Mackall Bros	Soap, etc	54.
	Jas. B. Lambie	Supplies and service Soap, etc Belt lacing Cardboard, etc Paper, pencils, etc Letter press Supplies Card holders Passenger transportation	3. 3,053. 2,007. 30. 630.
	do. C. Parker	Paner paneils etc	2,007
	do	Letter press	30.
	M. Du Perow	Supplies	630.
	Somers Bros	Card holders	16.
	Norfolk and Washington Steamboat Co	Passenger transportation	3. 11.
	do M. Du Perow Somers Bros Norfolk and Washington Steamboat Co. Pennsylvania R. R. Co New York, New Haven and Hartford R. R. Co.	do	1 2
	Co. Pacific Steam Whaling Co. Illinois Central R. R. Co The Atchison, Topeka and Santa Fé Rwy. Co Northern Pacific Rwy. Co Bryan Printing Co. Mettee & Co. C. C. Randolph. Sunset Telephone and Telegraph Co. W. T. Blythe G. N. Wilson N. B. Conger Arthur Westerdahl. do T. M. Jeffris & Co. Ed. S. Hughes & Co. New London Steamboat Co. Chicago, Milwaukee and St. Paul Rwy. Co. Pennsylvania Co. Pittsburg. Cincipneti. Chicago, and St.	do	15. 11. 50.
	Illinois Central R. R. Co	do	11.
	The Atchison, Topeka and Santa Fe Rwy. Co	do	95.
	Reven Printing Co	Drinting weekly bulleting	25. 12. 3.
	Mettee & Co	Panering room	3.
	C. C. Bandolph	Printing publications	38.
	Sunset Telephone and Telegraph Co	Telephone service	40.
6	W. T. Blythe	Office expenses	40.
	G. N. Wilson	do	177
	N. B. Conger	Traveling expenses	17.
	Arthur Westerdahl	Services	46
	T M Jeffris & Co	Telephone service Office expenses do do Traveling expenses Services do Office rent do Passenger transportation do do do	45. 46. 100.
	Ed. S. Hughes & Co	do	106.
8	New London Steamboat Co	Passenger transportation	1. 30.
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	30.
	Pennsylvania Co Pittsburg. Cincinnati, Chicago and St.	do	29. 26.
	Pittsburg. Cincinnati, Chicago and St. Louis Rwy, Co. Chicago and Northwestern Rwy. Co. Illinois Central R. R. Co. Missouri Pacific Rwy. Co. Michigan Central R. R. Co. Texas and Pacific Rwy. Co. Texas and New Orleans R. R. Co. W. E. Warren Mercantile Co. R. McLaughlin. F. M. Brown & Co. C. M. Beeson. Bunce & Jiams.	do	20.
	Louis Rwy. Co.		12
	Ulinois Control P. P. Co	do	27.
	Missouri Pacific Rwy Co	do	12. 27. 10. 16.
	Michigan Central R. R. Co	do	16.
	Texas and Pacific Rwy. Co	do	4.
	Texas and New Orleans R. R. Co	do	10. 91. 150. 100. 97. 90.
	W. E. Warren Mercantile Co	Office rent	150
	R. McLaughlin	do	100.
	C M Resear	00	97.
	Bunce & Jiams	do	90.
	C. M. Beeson Bunce & Hams R. A. Dodson, executor Wm. C. West Hall. Headington & Co.	,do	131. 1. 139. 1,705.
	Wm. C. West	Repairing clock	120
	Hall, Headington & Co	Carpet	1 705
	Werner Co The Smith Premier Typewriter Co E. G. Robinson Transfer Co	Maps	1, 100.
	E G Pobinson Transfer Co	Drawage	2.
	J. H. Shaw	Table	8.
	Peter Grav	Lanterns	307.
	T. W. Ruete	Paint	1.
	Guaranty Building Co	Electric current	1, 703. 1. 2. 8. 307. 1. 9. 6.
	Corpus Christi Electric Co	malanhana annia	1.
	Cantral Union Telephone Co	do de	1. 39. 30.
	The Bell Telephone Co. of Philadelphia	do	30.
	J. H. Shaw Peter Gray T. W. Ruete. Guaranty Building Co Corpus Christi Electric Co. Lynchburg Telephone Co Central Union Telephone Co Central Union Telephone Exchange. Empire State Telephone and Telegraph Co Pennsylvania Telephone Co. Missouri and Kansas Telephone Co. Southwestern Telegraph and Telephone Co. Southwestern Telegraph and Telephone Co. Southern Bell Telephone and Telegraph Co Bell Telephone Co. Guifalo. Santa Fé Electric Telephone Co. Fred A. Wright Hoke Engraving Plate Co. Duvall & McCloskey D. L. Bray Jas. Pool	do	9. 15. . 21.
	Empire State Telephone and Telegraph Co	do	15.
	Pennsylvania Telephone Co	do	, 21.
	Missouri and Kansas Telephone Co	do	9
	Island Tolophone and Tolograph Co	OD	9.
	Southern Bell Telephone and Telegraph Co	do	3.
	Bell Telephone Co. of Buffalo	do	9. 9. 9. 12.
	Santa Fé Electric Telephone Co	do	6. 9.
	Fred A. Wright	Coal oil	9. 121.
	Hoke Engraving Plate Co	Supplies	R
	D. I. Provi	Painting instrument	14. 10. 7.
	Jas Pool	do do	10.
	Jas. Pool Shobid Hunter	Moving Weather Bureau prop-	7.
	J. W. Austin	Services and materials	10.
	J. H. Bunnell & Co.	Copper sleeves	17. 126.
$\frac{14}{17}$	J. W. Austin J. H. Bunnell & Co Wm. Ballantyne & Sons Pay roll, Jacksonville, Fla. Pay roll, Chicago, Ill Pay roll, Norfolk, Va L. R. Christlulf	Books	126.
17	Pay roll, Jacksonville, Fla	Substation salaries	90.
	Pay roll, Unicago, III	do	1, 154. 105. 15.
			100.

	Name.	Nature of payment.	Tota
	Ida Schott W. A. Johnson Chas. W. Ling H. C. Merritt Wm. Chandler H. W. Styron P. H. Swearingen H. H. Taylor, agent Isaac Eberly Kate F. Cook Real Estate and Law Building Co A. J. Knight E. H. Jamieson W. B. Tells Hugh Reilly		
7	Ida Schott	Services	\$1; 30
	W. A. Johnson	Office owners	30
	Unas. W. Ling	Traveling avnances	1
	Wm Chandler	Rent of office	8
	H W Styron	dodo	39
- }	P. H. Swearingen	do	4
	H. H. Taylor, agent	do	32: 15: 60
- 1	Isaac Eberly	do	15
-1	Kate F. Cook	do	6
	Real Estate and Law Building Co	do	9
	A.J. Knight	00	79 120
	W R Talle	Stands	76
	Hugh Reilly	Brushes	1
	Smith Premier Typewriter Co	Typewriter	18
	Rudolph, West & Co	Zinc	
	Standard Oil Co	Benzine	4
	W. B. Moses & Sons	Furniture and rugs	63 16
	Easton & Rupp	Paper, etc	16
	F D Monta Co	Passenger transportation	
- 1	Fred A Schmidt	Supplies	25
	E M Tilden	Dry pads	25
8	Pay roll, Chicago, Ill.	Substation salaries	40
	A. J. Knight E. H. Jamieson W. B. Tells. Hugh Reilly Smith Premier Typewriter Co. Rudolph. West & Co Standard Oil Co. W. B. Moses & Sons Easton & Rupp. Norfolk and Washington Steamboat Co. E. P. Mertz Co. Fred. A. Schmidt E. M. Tilden Pay roll. Chicago, Ill E. F. Weihe Kate Reynolds. Richard Titus C. A. Blummer Louis Prior Anna Boehme Katie Collins Altie M. Adie L. Mirelaz Jas. Gussenhoven M. E. Conway. Fannie L. Keating Albert Martie Bank and Insurance Building Co. Penn Mutual Life Insurance Co. Society for Savings in the City of Cleveland, Ohio. State Trust Co. National Bank of Commerce.	Services	1
	Kate Reynolds	do	18
- 1	Richard Titus	do	1.
- 1	C.A. Blummer	do	1
- 1	Louis Prior	'-do	1
	Vatio Collins	do	1
- 1	Altie M Adie	do	1
	I. Mirelaz	Office rent	6
	Jas. Gussenhoven	do	12 3 9
	M. E. Conway	do	3
	Fannie L. Keating	do	90
	Albert Martie	do	16
	Bank and Insurance Building Co	do	10
	Society for Savings in the City of Clays	do	8. 28:
	land Ohio	ao	40
	State Trust Co	do .	8
	National Bank of Commerce	do	87 95 76
	Nontharastonn Matual Life Incurrence Co	30	73
	National Bank of Commerce Northwestern Mutual Life Insurance Co B.S. Williams. D. Horton Cane & Wisshell Co.	do	5
	D. Horton	do	120
	Cone & Kimball Co	do	9
1	Ponneylyonia P. P. Co	Paggangen transportation	21
- 1	Baltimore and Ohio R R Co	do do	~
- 1	Southern New England Telephone Co	Telephone services	3.
	Ontario Telephone Co	do	,
	Chicago Telephone Co	do	3:
	Cumberland Telephone and Telegraph Co.	do	1
	S. Williams D. Horton Cone & Kimball Co Margr. Parmentier Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Southern New England Telephone Co Ontario Telephone Co Chicago Telephone Co P. Killorin H. A. Caldwell Union Carnet Cleaning Co Wm. P. Smith Danl. Daly The Friedenwald Co A. Wilson P. C. Shaw The J. F. W. Dorman Co Jeffris & Ambrose Rand, McNally & Co G. Y. Smith & Co A. C. McClurg & Co J. C. Barline Harve Furniture Co Chas. Cooper & Co J. H. Thiemeyer L. Hammel & Co W. T. Blythe Chas. B. Bright Paul De Graw Jno. Auhenser Ella Beahan F. S. Smith M. B. Boone	Services and material	1:
	H. A. Caldwell	T and a second	5.
	Wm D Cariel	Laying carpet	- 1
	Danl Daly	Services and material	1
	The Friedenwald Co	Printing mans	1
	A. Wilson	Cleaning clocks	
	P. C. Shaw	Washing towels	
- 1	The J. F. W. Dorman Co	Rubber type	3
	Jeffris & Ambrose	Lamp shades, etc	
	Kand, McNally & Co	Library globe	9
	A. C. McClung & Co.	Carpet, etc.	9
	I C Barling & Co	Shelving	9 13 3
	Harve Furniture Co	Office chairs	3
	Chas. Cooper & Co	Ammonia	8
	J. H. Thiemever	Packing boxes	1
	L. Hammel & Co.	Screen	1
9	W. T. Blythe	Office expenses	1
	Chas. B. Bright	Traveling expenses	11
	Paul De Graw	Services	79
	Jno. Auhenser	do	4
	F.S. Smith M.B. Boone	Printing Weekly Report Washing towels	1
	T. 12. 12.1111111	Frinting weekly Report	19

Date.	Name.	Nature of payment.	Total.
1898.			
oct. 19	Hullinger & Schmidt Jno. R. Robinson J. E. Mayhew Geo. T. Arnold Detroit Electric Wiring and Repair Co The American Toilet Supply Co Alaska Commercial Co	Washing towels	\$3.00 33.00 10.00
	Jno. R. Robinson	Printing Crop Bulletin	33.00
	J. E. Mayhew	Moving office	10.00
	Geo. T. Arnold	Flag pole, etc	15.00 10.00
	Detroit Electric Wiring and Repair Co	Repairing electric motor	10.00
	The American Tollet Supply Co	Towel supply	2.25 37.00
	Alaska Commercial Co- Lake Shore and Michigan Southern Rwy.	do	27.00
	Co.		21.00
	Denver and Rio Grande R. R. Co	do .	30.15
	Geo. W. Swalley	Oil, benzine, etc	7, 10
	Hall, Headington & Co	Carpets	7. 10 415. 13
	F. D. Miracle	Office rent	105.00 59.32
	H. D. & F. H. Irish	do	59.32
	Catherine Wilson	do	140.82
	E.S. Levy	00	150.00 73.95
	Collor & Wright	do	78.50
	Ino I. & Wm I. McCarno	do	125.00
	Union Trust Building Co	do	125.00 137.50
	New York and Pennsylvania Telephone	Telephone service.	21.00
	and Telegraph Co.		
	Southern States Telephone Co	do	7.50 12.00
	Denver and Rio Grande R. R. Co Geo. W. Swalley Hall, Headington & Co F. D. Miracle H. D. & F. H. Irish Catherine Wilson E. S. Levy Paine Bros Colley & Wright Jno. L. & Wm. L. McCague Union Trust Building Co New York and Pennsylvania Telephone and Telegraph Co. Southern States Telephone Co Delaware and Atlantic Telegraph and Telephone Co.	do	12.00
	Telephone Co.	,	10.00
	East Tennessee Telephone Co	do	10.00
	Arthur A Day	Use of team.	13.50 5.70
	Delaware and Atlantic Telegraph and Telephone Co. East Tennessee Telephone Co. Southern Bell Telephone and Telegraph Co Arthur A. Day Milwaukee Gas Light Co. Consolidated Gas Co. Raleigh Gas Co. Edgar Harding. Henry Landes Chicago Auditorium Association. N. B. Conger Chas. Dayis	Gasdo.	11.28
	Consolidated Gas Co	do	12.87
	Raleigh Gas Co	do	12.87 9.60
20	Edgar Harding	Office rent	87.50
	Henry Landes	do	45.00 450.00 2.50 1.00
	V P Congo	Traveling expenses	450.00
	Chas. Davis	Dravage	1.00
	City and Suburban Telephone Association	Telephone service	25, 00
	New York Telephone Co	do do Traveling expenses Drayage Telephone service do	25.00 60.00
	Southern Bell Telephone and Telegraph Co.	do	7.50
	Central District and Printing Telegraph Co	do	34.25
	Chas Davis City and Suburban Telephone Association. New York Telephone Co. Southern Bell Telephone and Telegraph Co. Central District and Printing Telegraph Co Virginia Electric Co. Consumers' Electric Light and Street	do Electric lightdo	4.50 5.00
	R. R. Co.		5.00
	D M-D	Rent	6,00
	Southern Bell Telephone and Telegraph Co- The Brush Electric Co	Rent Telephone service Electric current	$6.00 \\ 15.00$
	The Brush Electric Co	Electric current	15.00
	do Central Investment Co Southern Bell Telephone and Telegraph Co La Crosse Telephone Co Wisconsin Telephone Co Bell Telephone Co Southern Bell Telephone and Telegraph Co	do	9.00 163.75 8.25 7.50 3.75 16.25
	Central Investment Co.	Telephone service	100.70
	La Crosse Telephone Co	do	7.50
	Wisconsin Telephone Co	do	3.75
	Bell Telephone Co. of Missouri	do	16.25
	Southern Bell Telephone and Telegraph Co.	do	10.00
	W II Consider	do Office rent Telephone service do	7.50 12.80 18.75
	Wisconsin Telephone Co	Telephone service	18.75
	Southern Bell Telephone and Telegraph Co	do	7, 50
	Duluth Telephone Co	do	7.50 15.00
	P. H. Cheney & Sons	Electric light	5.62 30.00
	Kansas Farmer Co	Printing Crop Bulletin	30.00
	Fort Worth and Denver City Rwy. Co	Telegraph service	11,20
	M. Felgel & Bro.	Cleak keys	4.00 1.50
	Pacific Telephone and Telegraph Co	Telephone service	28 50
	Dora Moven	Washing towels, etc.	6.00 7.00 1.00
	Pacific Transfer Co	Hauling	7.00
	California Ink Co	Blue printing ink	1.00
	C. D. Boyle & Co	Services	18.00
	do	do do electric light Printing Crop Bulletin Telegraph service Gum arabic Clock keys Telephone service Washing towels, etc Hauling Blue printing ink Services Telephone service  Telephone service  Telephone service  do Telephone service	5. 00 5. 40
	Central Union Telephone Co	Telephone service	5.00
	Alabama and Georgia Long Distance Tel-	do	5.00 10.80
	Southern Bell Telephone and Telegraph Codo W. H. Gussis Wisconsin Telephone Co. Southern Bell Telephone and Telegraph Co. Duluth Telephone Co. P. H. Cheney & Sons. Kansas Farmer Co. Fort Worth and Denver City Rwy. Co. M. Feigel & Bro. Seth Thomas Clock Co. Pacific Telephone and Telegraph Co. Dora Moyen Pacific Transfer Co. California Ink Co. C. D. Boyle & Co. Smithfield Telephone Co. do. Central Union Telephone Co. Alabama and Georgia Long Distance Telephone Co.		
	do Iowa Telephone Co	do	10.00
	Iowa Telephone Co	do	2.50
	Chicago Burlington and Mouthorn P. P. Co	Talagraph sarvice	2.70
	do Chicago, Burlington and Northern R. R. Co. Eimer & Amend Toledo Transfer Co Crews Begge Dry Goods Co.	do do Telegraph service Clamps Hauling Services	2.50 2.70 2.60 3.00
	Toledo Transfer Co	Hauling	2.00 7.50

te.	Name.	Nature of payment.	Total.
98.			
20	McClellan Paper Co. W. H. Reim & Co. W. H. Reim & Co. K. Heochelman & Bill Chesapeake and Potomac Telephone Co. Greater New York Toilet Supply Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Buffalo Gas Light Co. Southern Bell Telephone and Telegraph Co.	Paper Stove grate Repairing furnace Telephone service Washing towels Passenger transportation	\$1.
	W. H. Reim & Co	Stove grate	4.
	Kneochelman & Bill	Repairing turnace	* 3.
	Chesapeake and Potomac Telephone Co	Washing towals	33. 2. 15.
	Cleveland Cincipacti Chicago and St	Passanger transportation	15
	Louis Press Co.	assenger transportation	10.
	Puffalo Cas Light Co	Gas	3
	Southern Rell Telephone and Telegraph	Gas Telephone service	3. 15.
	Co.	Telephone service:	10.
	The Cleveland Telephone Co-People's Gas Light and Coke Co-Nichagan Telephone Co-J. B. Johnson, Bursar D. Stormont New Orleans Gas Light Co-Nichagan Company Co	do	18.
	People's Gas Light and Coke Co	Gas Telephone service Electric light	5.
	Michigan Telephone Co	Telephone service	6.
	J. B. Johnson, Bursar	Electric light	2. 9.
	D. Stormont	Ice	. 9.
	New Orleans Gas Light Co	Gas	26.
	H.S. Dixon	Services	2. 10.
	Raleigh Telephone Exchange	Telephone service	10.
	Sunset Telephone and Telegraph Co	do	6.
	A. H. Etheridge	Repairing telegraph	1.
	Jno. Erikson	Service	4.
	L. H. CloW	Ice Gas Services Telephone service do Repairing telegraph Service do do do	4. 3.
	New Orleans Gas Light Co H.S. Dixon Raleigh Telephone Exchange Sunset Telephone and Telegraph Co A. H. Etheridge Jno. Erikson L. H. Clow F. H. Knowles Jno. D. Berry	do	ئ. 15
21	F. H. Knowles Jno. D. Berry Cleveland Abbe Eagle Iron Works do J. H. Little & Co Wood & Thoenen Amarillo Improvement Co Salt Lake Board of Trade Geo. E. Shaw	do Traveling expenses Erecting iron mast, etc Erecting support on roof Laying carpet Repairing lantern Office rent do do Telephone services Traveling expenses	15.
21	Fagla Iron Works	Erecting iron most etc	28. 102.
	do	Erecting support on roof	24.
	J. H. Little & Co.	Laving carnet	14.
	Wood & Thoenen	Renairing lantern	
	Amarillo Improvement Co	Office rent	50.
	Salt Lake Board of Trade	do	100.
	Geo. E. Shaw Cumberland Telephone and Telegraph Co.	do	70.
			24.
	A. Ashenberger	Traveling expenses	30.
	Harper & Pennington	Towel service	1.
	American Type Founders Co	Casting rollers	2.
	J. W. Byram	Repairing clock	1.
	Cumberland Telephone and Telegraph Co. A Ashenberger Harper & Pennington American Type Founders Co. J. W. Byram P. Connor L. M. Dey, jr A. C. Gile Louisa Johnson W. H. H. Smith	Telephone services. Traveling expenses Towel service Casting rollers Repairing clock Expenses Traveling expenses Oil Cleaning office. Hire, horse and wagon Telephone service.	7.
	L. M. Dey, jr	Traveling expenses	30.
	A. C. Gile.	Oil	9.
	Louisa Johnson	Cleaning office	9.
	W.H. H. Smith New York and Pennsylvania Telephone and Telegraph Co. Missouri and Kansas Telephone Co	Hire, norse and wagon	6.
	new fork and Pennsylvania Telephone	Telephone service	9.
	Missouri and Kansas Talanhona Co		9.
	Saml M Blandford	Traveling expenses Shelves and material Oak desk	7
	A L Osborn & Co	Shelves and material	7. 7.
	Wm. Schwarzwaelder & Co	Oak desk Electric current Services	13.
	Raleigh Electric Co	Electric current	4.
	Geo. W. Gaskins	Services	6
	Alsouri All Kansas relephone Co Saml. M. Blandford A. L. Osborn & Co Wm. Schwarzwaelder & Co Raleigh Electric Co Geo. W. Gaskins A. E. Heath	do	5.
	Pay roll, Buffalo, N. Y.	Substation, salaries	96.
	Pay roll, New Haven, Conn	do	48.
	Zetta Higgins	Services	30.
	P. Neri Correoso	do	51.
	Haleigh Electric Co Geo. W. Gaskins A. E. Heath Pay roll, Buffalo, N. Y. Pay roll, New Haven, Conn Zetta Higgins P. Neri Correoso Day, Allen & Co Western Union Telegraph Co G. H. Angell A. P. Eagleston Luke & Smith Merrill, Bliss & Co Tacoma Chamber of Commerce L. Rogers Lorenzo Littlefield H. Overholzer W. H. Renear U. B. Dodge A. T. Winsor The State Journal Co Jno. Longstaff Anna Faris J. F. Beck D. C. Cross	Services do  do Window shades Repairing telegraph Repairing clock Office rent do  do  do  Cleaning office office rent do  Cleaning office do	6.
	western Union Telegraph Co	Repairing telegraph	8.
	A. D. Fordesten	Repairing clock	1.
	A. F. Lagleston	Omce rent	65.
	Marrill Blice & Co	d0	75.
	Tacoma Chamber of Commones	do	25. 60.
	L. Rogers	Cleaning office	1.5
	Lorenzo Littlefield	Office rent	61
	H. Overholzer	do	127
	W. H. Renear	Use of team	2
	U.B. Dodge	Services and material	$\tilde{7}$
	A. T. Winsor	Services and material Printing crop bulletins	13. 64. 127. 2. 7. 35.
	The State Journal Co	Washing towels	3%.
	Jno. Longstaff	do	30.
	Anna Faris	Washing towels	4.
	J. F. Beck	do	3.
0.1	D. C. Cross	do	150
24	Lutz & Co	Repairs and material	
	Broderiel Broderiel	Letter presses, etc	150.
	Broderick Bros.	White rags	14.
26	Anna Faris J. F. Beck D. C. Cross Lutz & Co Jno. C. Parker Broderick Bros. P. Laveaga, county treasurer Peter Even	Repairs and material Letter presses, etc White rags Office rent Lee	67.
20	Peter Even Northwestern Telephone Exchange Co. Columbia Water and Light Co	Telephone service. Electric current	3.
		Telephone Service	18.

## $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ {\it \$00.1898} -\hbox{\bf Cont'd.}$

Date.	· Name.	Nature of payment.	Total
1898.	Citizens' General Electric Co. Minnesota International Electric Co. Jino, K. Hooper L. H. Daingerfield J. H. Kimball J. K. Lennox Johnson Fisher Saml. Bacon, ir C. W. Canfield H. S. Kiely Jino, L. Foote Roy, D. Chapin Jas. B. Batey M. McNamara Arthur Westerdahl Alex, J. Pollock L. J. Guthrie Jino, P. Church et al W. F. R. Phillips et al Jas. Berry Cumberland Electric Light and Power Co. C. K. Robinson A. T. Burrows D. P. McCullum W. T. Blythe Hector L. Ball J. J. Kelliher L. G. Schultz N. B. Conger I. M. Cline Geo. W. Felger F. H. Brandenberg C. F. von Herrmann C. F. R. Wappenhaus Wm. M. Dudley F. H. Clarke N. B. Conger T. L. Bridges W. H. Fallon Jas. Evans Wm. Searle Jas. H. Powe P. Minor W. B. Moses & Sons R. P. Clarke M. G. Copeland Jo Wm. E. Wheeler F. A. Goulter		
ct. 26	Citizens' General Electric Co.	Electric current	\$22 15
- 91	Minnesota International Electric Co	do	15
<b>å</b> 31.	J. H. Daingarfield	Services	74
	J. H. Kimball	do	74 74
	J. K. Lennox	do	62
	Johnson Fisher	do	62 46
	Saml. Bacon, jr	do	46
	H S Kiely	do	46 46
	Jno. L. Foote	do	46
	Roy. D. Chapin	do	46
	Jas. B. Batey	do	46 46 46
	M. McNamara	do	46
	Alex I Pollock	do	46
	L. J. Guthrie	do	2
	Jno. P. Church et al	Salaries	2,541
0	W. F. R. Phillips et al	do	262 10 15 18 26 26 70
ov. 2	Cumberland Floatnic Light and Power Co.	Traveling expenses	10
	C. K. Robinson	Traveling expenses	18
	A. T. Burrows	do	. 23
	D. P. McCullum	do	26
	W. T. Blythe	do	70
	Hector L. Ball	do	. 36 90
	L & Schultz	do	. 36 20 29
	N. B. Conger	do	. 24
	I. M. Cline	Office expenses	. 3
	Geo. W. Felger	do	1
	C. F. von Hommonn	do	8
	C.F. Wannenhaus	do	1
	Wm. M. Dudley	do	2
	F. H. Clarke	do	1 2 11
	N.B. Conger	do	2
	T. L. Bridges	do	11
	Jas Evans	Office cleaning	2
	Wm. Searle	Services	4
	Jas. H. Powe	do	47
	P. Minor	Water and ice	13
	W. B. Moses & Sons	Croon folt	132 29 896 42 32 3
	M G Copeland	Flags	896
	M. G. Copeland do Wm. E. Wheeler F. A. Goulter Lyle H. Pedlar A. Drinkwater C. C. Randolph	do	42
	Wm. E. Wheeler	Printing crop bulletins	32
	F. A. Goulter	Repairing telegraph line	3
	Lyle H. Pedlar	00 do	(i)
	C. C. Bandolph	Printing crop bulletins	36
	L. Rogers	Horse and cart	30
	C. C. Randolph L. Rogers J. C. Entwistle Towel Delivery Co Silver State Towel Supply Co Nashville Laundry Co Knight & Rosenkrans Home Telephone Co, Sioux City Iowa Telephone Co Hudson River Telephone Co Missouri and Kansas Telephone Co R. L. Lewis Michigan Telephone Co Sunset Telephone and Telegraph Co J. B. Mattingly Cumberland Telephone and Telegraph Co Cario Telephone Co Citizens' Cooperative Telephone Association.	riagsdo Printing crop bulletins Repairing telegraph linedo Printing crop bulletins Horse and cart Engraving Towel servicedo	30 5 4
	Towel Delivery Co	Towel service	4
	Nashville Laundry Co	do	1
	Knight & Rosenkrans	do	1
	Home Telephone Co., Sioux City	Telephone service	16
	Iowa Telephone Co	do	. 6
	Hudson River Telephone Co	do	· 6
	R. L. Lewis	do	18
	Michigan Telephone Co	do	15 6 15
	Sunset Telephone and Telegraph Co	do	15
	J. B. Mattingly	do	6
	Cumberland Telephone and Telegraph Co.	do	23
	Citizens' Cooperative Telephone Associa-	do	6 23 5 10
	tion.		10
	W. Broadwell	Ice	33
	Union Ice Co., New York	do	6
	tion. W. Broadwell Union Ice Co., New York Grant Rivenberg. Merchants and Manufacturers' Electric Light, Heat, and Power Co. Thos. W. Pemberton. Mobile Light and Railroad Co. Charlestown Electric Light and Power Co. Atlantic City Gas and Water Co. Jas. S. Sebree	Tile do	6 2 5
	Merchants and Manufacturers' Electric	Electric light	õ
	Thos W Pemberton	ob	5
	Mobile Light and Railroad Co.	do	2
	Charlestown Electric Light and Power Co.	do	5. 2. 1.
	Atlantic City Gas and Water Co	Gas	3. 6.
		do	6

Date.	Name.	Nature of payment.	Total.
1898.			
ov. 2	Robt. Bonson	Use of grounds	\$9.0
	Rott. Bonson Thos. Bowles Issadore Sobel, postmaster Henry Pitts Rice & Rice J. P. Nawrath Marais Lumber Co Fred. Bamford & Co Duluth Van Exwess and Storage Co	Storage	6.0
	Issadore Sobel, postmaster	Rent, post-omce box	2. 0
3	Pice & Pice	Drayage Window shades Twine	8.0
9	J P Nawrath	Window shades Twine Erecting and wiring lanterns Painting instrument shelter Haulingdo Drayage Flagstaff Drayage Ground rent do	8.0 17.0
	Marais Lumber Co	Erecting and wiring lanterns	9.0
	Fred. Bamford & Co	Painting instrument shelter	4.0
	Fred. Bumford & Co. Duluth Van, Express, and Storage Co. Geo.P. Howard Martin Strelan Co. Wm. Leighton A. A. Bolles Geo. Bergen H. L. Guion	Hauling	4.0 1.5 1.2 2.5
	Geo. P. Howard	do	1.2
	Martin Strelan Co	Drayage	2.5
	Wm. Leighton	Pragstan	25. 0 7. 5 3. 0
	Goo Borgon	Ground vent	3.0
	H L Guion	do	7.5
	Galveston Gas Co.	Gas	7. 5 6. 7 3. 9
	Consumers' Ice Co	Ice	3.9
	Central District and Printing Telephone Co	Ice Telephone service	9.0
	H. L. Guion Galveston Gas Co. Consumers' Ice Co Central District and Printing Telephone Co Southwestern Telephone and Telegraph	do	12.0
	Co.	1	0.0
	Brush Floatric Light and Power Co	Floatria anyront	6.0
4	J. Warren Smith	Expenses	9.1
1	Co. Sunset Telephone and Telegraph Co. Brush Electric Light and Power Co. J. Warren Smith  do. R. J. Hyatt. E. E. Spencer Robt P. Poweil T. F. Townsend Frank Alexander D. D. Bogge	Traveling expenses.	15. 0 2. 1 14. 5
	R. J. Hvatt.	do	9.2
	E. E. Spencer	do	6.0
	Robt. P. Powell	do	5. 2
	T. F. Townsend	do	14.0
	Frank Alexander	Services	7.5 3.0 2.0 27.5
	Frank Alexander D. D. Booze Caleb C. White Friedenwald Co Jno. Gondolfo J. W. Gilbert F. G. Blaisdell F. L. Ewing	Use of horse	9.0
	Friedenweld Co	Cardboard	27 5
	Ino Gondolfo	Cardboard Oil, brooms, etc	8.0
	J. W. Gilbert	Wood	9.0
	F. G. Blaisdell	Wood Water	9.0
	F. L. Ewing	Ice	9.2
	Southern Bell Telephone and Telegraph Co	Telephone service	10.0
	Courtland National Bank.	Telephone service Office rent do Substation, salaries	150.0
_	The First National Bank	do	66.3
5	Pay roll, Cleveland, Onio	Substation, salaries	75. 0 55. 0
	Pay roll Ponencole Fla	do	36.0
	Henry F. Babcock	Services	26.0
	H. L. Holden	do	30, 0
	F. G. Blaisdell F. L. Ewing Southern Bell Telephone and Telegraph Co Courtland National Bank The First National Bank Pay roll, Cleveland, Ohio Pay roll, New York, N. Y Pay roll. Pensacola, Fla Henry F. Babcock H. L. Holden L. J. Guthrie R. M. Reese A. E. Hackett	Traveling expenses	30. 0 2. 5
	R. M. Reese	do	31 1:
	A. E. Hackett	Expenses	2. 1 1. 2 . 70
	Geo. E. Hunt	do	1.2
	L. M. navenscrott	00	1.2
	L. M. Pindell	do	4. 70
	T. S. Outram	do	3. 5
	J. H. Smith	do	2.0
	E. H. Nimmo	do	1.5
	J. C. Piercy	do	4.50 22.8
	National Bank of Commerce	Office rent	22.8
	South Ball Talanhan	do	145.0
	Northwestern Telephone and Telegraph Co	Telephone service	17.50 9.00
	Supert Telephone and Telegraph Co	do	15.0
	R. C. M. Burton	International Code Signal	24. 0
	Brentano's	Standard Dictionary	10.7
	A. Gluck	Repairing clock	10.75 1.50
	The Clark Paint, Oil and Hardware Co	Painting and material	6.00
	A. Bloedel	Cleaning clock	1 56
	Sargent Transfer Co	Drayage	1.50
	Courtland National Bank The First National Bank Pay roll, Cleveland, Ohio Pay roll, New York, N. Y Pay roll, Pensacola, Fla Henry F. Babcock H. L. Holden L. J. Guthrie R. M. Reese A. E. Hackett Geo. E. Hunt E. M. Ravenscroft L. M. Jesunofsky L. L. M. Pindell T. S. Outram J. H. Smith E. H. Nimmo J. C. Piercy National Bank of Commerce Richmond Chamber of Commerce Richmond Chamber of Rommerce Richmond Chamber of Rommerce Richmond Chamber of Commerce Richmond Telegraph Co Northwestern Telephone and Telegraph Co Northwestern Telephone Exchange Co Sunset Telephone and Telegraph Co R. C. M. Burton Brentano's A. Gluck The Clark Paint, Oil and Hardware Co A. A. Blocedel Sargent Transfer Co M. F. Hayes M. C. Baker & Son A. Nelson A. Nelson Robt. Little Parkersburg Transfer Co Union Ice Co Knickerbocker Ice Co Arctic Ice Co Laurel Laundry W. H. Brown Edwards & Broughton J. E. Turton Jno. C. Parker do	do	1. 50 1. 20 1. 50
	A Nolson	Stencils	1.50
	Robt. Little	Drayage	2.98
	Parkersburg Transfer Co	do	2. 98 2. 73 2. 25
	Union Ice Co	Ice	9.10
	Knickerbocker Ice Co	do	3, 9
	Arctic Ice Co.	do	6.00
	Laurel Laundry	Washing flag and towels	. 90
	W. H. Brown	Drayage	1.50
	Lawards & Broughton	Service and material	2.4
	J. E. I arton	Map frames, etc.	206.8
	ono. C. Parker	Copying-press stand	7.5

ate.	· Name.	Nature of payment.	Total
898.	-		
v. 5	Jno. C. Parker	Cardboard and paper Bank note paper Gripper for printing Blotter bath, etc Copy press and stand Duplicating paper, etc Matches	\$1,641.
	do Pacific States Type Foundry	Bank note paper	24.
8	Pacific States Type Foundry	Gripper for printing	6.
	T. Fitzwilliam	Blotter bath, etc	6.
	wane & Co Friedenwald Co G.M. Holobaugh S. A. D. Keister R. P. Sargent	Copy press and stand	14.
	G M Holobangh	Matches	876.
	S A D Keister	Matches Ink and mucilage Service and material	1. 3. 3.
	R. P. Sargent	Service and material	3.
	M. O. Sargen M. O. Reilly Viaduct Manufacturing Co Bryan Printing Co E. D. Beattie Geo. C. Upright E. C. Palmer Simpson Bradley W. A. Lobrson	do	5.
	Viaduct Manufacturing Co	do do Printing crop bulletins do Laying carpet Services Laying carpet Services and material	5. 18.
3	Bryan Printing Co	Printing crop bulletins	16.
1	E. D. Beattie	do	36.
1	Geo. C. Upright	Laying carpet	3. 7. 1.
4	E. U. Palmer	Leving connet	1.
	W. A. Tobuson	Sarvices and material	12.
1	W. A. Johnson Stout & Rogers	- do	166.
	do	do	47.
	Black Hills Telephone and Telegraph Co.	Telephone service	47. 21.
	Pan Telephone Co	do	1.
	Ohio Valley Telephone Co	Office rent	18.
	Stout & Rogersdo Black Hills Telephone and Telegraph Co- Pan Telephone Co Ohio Valley Telephone Co Henry Bolton Geo. S. Waite First National Bank C. G. Le Clair Diamond Ice and Storage Co	Office rent	18. 18. 52.
	Geo. S. Walte	do	
	First National Bank C. G. Le Clair Diamond Ice and Storage Co American Electric Supply Co Grand Haven City Electric Light Co Aaron Sargent U. G. Purssell D. P. McCallum E. H. Emery	do Ice	120.
	Diamond Ice and Storage Co	do	126. 3. 4. 7.
	American Electric Supply Co	doServices and materialElectric lightServices	7
	Grand Haven City Electric Light Co	Electric light	4.
	Aaron Sargent	Services	4. 12.
- 9	U.G. Purssell	Expenses	1.
- 1	D. P. McCallum	do do	20.
1	E. H. Emery	do	2. 4.
	do	do	4.
i	R. M. Hardinge Geo. B. Wurtz R. L. Anderson	do	2. 5.
-	P. I. Andongon	do	9.
	R. D. Angerson F. R. Beahan J. B. Marbury Jno. K. Hooper Alex. G. Burns Jas. H. Kimball Chas. Davis G. Harrold Noyes S. I. Mody	do	9.
- 1	J R Marhury	do	5.
	Jno K Hooner	do	3.
. 1	Alex. G. Burns	do	4. 7.
1	Jas. H. Kimball	do	7.
1	Chas. Davis	Traveling expenses	45. 17. 9. 11. 14. 8. 17. 27.
	G. Harrold Noyes	do	17.
1	S. L. Mosby	do	9.
1	J. B. Dillon	00	11.
1	N. P. Taylor	do	14.
	Henry D Stenart	do	17
	G. Harrold Noyes S. L. Mosby J. B. Dillor. I. M. Cline N. R. Taylor Henry D. Steuart Jno. C. Dabney Fant Diggs Pay roll Angusta Ga	do	27
	Fant Diggs	do	1.
9	Pay roll, Augusta, Ga	Substation, salaries	165.
	Pay roll, Atlanta, Ga	do	165. 177. 90.
	Pay roll, Cincinnati, Ohio	do	90.
	Pay roll, Charleston, S. C.	00	73.
	Pay roll, Memphis, Tenn	do	220. 128. 42. 73.
	Pay roll Shrayaport I a	do	128.
	Pay roll Vickshurg Miss	do	73
	E. E. Friday	Services	21
	Henry D. Steuart Jno. C. Dabney Fant Diggs Pay roll, Augusta, Ga. Pay roll, Augusta, Ga. Pay roll, Atlanta, Ga Pay roll, Cincinnati, Ohio Pay roll, Charleston, S. C. Pay roll, Memphis, Tenn Pay roll, Wilmington, N. C. Pay roll, Wilmington, N. C. Pay roll, Vicksburg, Miss E. E. Friday Engelke & Bigelow Lincoln Traction Co. C. H. Batchelder L. Graham & Son, Limited J. E. Johnson Fulton Transfer Co J. J. Parquette F. O. Bailey & Co Jas. Richardson Jno, Briggs J. W. Witte	Dravage	· 1.
	Lincoln Traction Co	Electric current	13.
	C. H. Batchelder	Shades	21. 1. 13. 3.
	L. Graham & Son, Limited	Red ink	17.
	J. E. Johnson	Supplies and services	17.
	T I Danguette	Drayage	3.
	F O Railey & Co	Re-covering desiz	3. 2. 8. 1.
	Jac Richardson	Renewing lamps	1
1	Ino Briggs	Erecting flagstaff	50
	J. W. White	Repairing shelter	10.
10	Jas. Richardson Jno. Briggs J. W. White Iowa Telephone Co. Enterprise Telegraph Co. Alabama, Mississippi and Tennessee Telegraph Co. New England Telephone and Telegraph	Supplies and services Drayage Recasting rollers Re-covering desk Renewing lamps Erecting flagstaff Repairing shelter Telephone service Telegraph service	50. 10. 7. 5.
	Enterprise Telegraph Co	Telegraph service	5.
	Alabama, Mississippi and Tennessee Tele-	do	8.
	graph Co.	į.	
		do	2.
	Co.	3-	, .
-	Philadelphia, Reading and Pottsville Tele-	do	5.5 16.0

Date.	Name.	Nature of payment.	Total.
1898.	Jacksonville and St. Johns Bar Telegraph	Felegraph service.	\$14.25
Nov. 10	Line.		
	Corvallis and Eastern R. R. Co	do	2.50 2.60
	Dakota Central Telegraph Line	do	78.58
	East Tennessee Telephone Co	Telephone service	2.95 14.60
	Corvalis and Eastern R. R. Co.  do Dakota Central Telegraph Line Chicago, Burlington and Northern R. R. Co. East Tennessee Telephone Co. Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation	29.98
	S. Nusbaum, postmaster Wm. Schwarzwelder & Co. Addressograph Co Henry Lander J. R. Buckelew East Tennessee Telephone Co. Michigan Telephone Co. Island Telephone and Telegraph Co.	Rent of post-office box. Furniture Addressograph ink Office rent Typewriter and stand Telephone servicedodododtode Electric light Electric current. Reseating chairs Haulingdodododotorrent Lettering office signs Supplies	1.50
	Wm. Schwarzwelder & Co	Addressograph ink	1.50 167.50 2.25
	Henry Lander	Office rent	15, 00
	J. R. Buckelew	Typewriter and stand	207.00 9.00
	Michigan Telephone Co	do	9.00
	Micmgan Telephone Co.  Island Telephone and Telegraph Co.  Alpena Mutual Telephone Co.  Municipal Electric Plant  Milwaukee Electric Railway and Light Co.  H. W. Gross.  O. I. Mairs.  A. P. Sign.	do	18.00
	Municipal Electric Plant	Electric light	2.50 5.62
	Milwaukee Electric Railway and Light Co.	Electric current	11 39
	O.I. Mairs	Hauling	1. 25 2. 50
		do	35 00
	P. F. Hanna Elsie Roller Composition Co	Recasting rollers	18. 25 2. 70 9. 00
	J.J. Conlon H. C. Hansen	Lettering office signs	9.00
	Sunset Photo Engraving Co	Zincograph etching	40.00 9.00
	Sunset Photo Engraving Co Chas. Cooper & Co Schneider Bros	Ammonia	9.00 5.00
	Schneider Bros J. E. Turton Forsburg & Murray Rudolph, West & Co Standard Oil Co Woodward & Lothrop H. H. Hodgson Robt, D. Willson	Lettering omce signs Supplies Zincograph etching Ammonia. Thermometers Instrument shelters Kite supplies Supplies Oil Oiled silk Typewriter and cover	785.00 341.00
	Forsburg & Murray	Kite supplies	1.50 12.96
	Standard Oil Co	Supplies	6, 36
	Woodward & Lothrop	Oiled silk	5. 00 90. 00
	Robt D Willson	Typewriter and cover Heater, pipes, etc. Blue Book American Shipping Transportation	90.00
		Blue Book American Shipping	2.50
16	Fredk. Springmann	Transportation	12.60 2.50 8.72 13.61
17	Fredk. Springmann  do M. G. Copeland do Royce & Marean E. M. Tilden C. K. Judson M. Du Perow Thos. Somerville & Sons E. Morrison Paper Co Wm. Nordhoff Geo. E. Hunt Geo. F. Huth & Co Adams Express Co United States Express Co Z. D. Gilman	Supplies Flags Supplies Tal	1,505.30 1,180.50 63.10
	Royce & Warean	Flags.	1,180.50
	E. M. Tilden	Ink	10.00
	C. K. Judson	Supplies	6.20 189.00
	Thos. Somerville & Sons	Ink	9.36
	E. Morrison Paper Co	do do Services and material Traveling expenses Supplies Transportation do Supplies	140.95
	Geo. E. Hunt	Traveling expenses	2.50 8.00
	Geo. F. Muth & Co	Supplies	43.80 70.98
	United States Express Co	do	49.05
	Z. D. Gilman	Supplies	4.00 5.00
	E. B. Calvert	Traveling expenses	91.17
	J. C. Entwistle E. B. Calvert W. C. Newton & Co	Supplies and services	168.88 131.27
	J.E. Turton	Supplies	230.00
21	of E. Turton  do Pay roll, New Orleans Pay roll, Parkersburg Pay roll, Montgomery Pay roll, Omaha J.L. Patrick W. T. Turbeville Ed. Kendall J. W. Branan	do Supplies Services Traveling expenses Supplies Supplies Suppliesdo Salariesdododododododod	230.00
21	Pay roll, Parkersburg	dodo	84.00 158.25
	Pay roll, Montgomery	do	52.00 25.10
	J. L. Patrick	Services	45,00
	W. T. Turbeville	do	15.00
	J. W. Branan	do	30.00 15.00
	J. W. Branan Pay roll, Baltimore Pay roll, Boston Pay roll, Wilmington. Peleg Brown Barnhart Bros. & Spindler F. J. Hart	Salariesdo	45, 00
	Pay roll, Wilmington	do	530. 25 72. 00
	Peleg Brown	Services	8.00 7.14 6.00
	F.J. Hart	Supplies Horse hire	6.00
	Alpana Flactuia Tiekt C	Wood	18 00
	People's Telephone and Telegraph Co	Light	6.00 7.50 2.74
	Maggie Mills	Services	2.74
	- do Alpena Electric Light Co Alpena Electric Light Co People's Telephone and Telegraph Co Maggie Mills J. A. Barnes S. S. Basslee	Coal	66.00 1.20
	H. Doc. 173——10		2.70

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\bf Contid.}$ 

	1,	L EXIENSES—Continued.	
Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 21	Chas. Moore Puget Sound and Alaska Steamship Co Barron County Telephone Co	Services Passenger transportation Telephone servicesdo	\$2.00 2.50 15.00
	Puget Sound and Alaska Steamship Co	Passenger transportation	2.50
	W H Holmes	Telephone services	15.00
	W. H. Holmes Jackson and Rich Square Telephone Co Pittsboro and Moncure Telegraph Line Winton Telegraph Co Iowa Telephone Co Smithfield Telephone Co Alabama and Georgia Long Distance Telephone Tel	do Telegraph services do Telephone services	6. 00 31. 20 7. 80 5. 20
	Pittsboro and Moncure Telegraph Line	Telegraph services	7.80
	Winton Telegraph Co	do	5.20
	Smithfield Tolephone Co	Telephone services	2.50 5.00
	Alabama and Georgia Long Distance Tele-	do	10.40
	Pittsburgh, Cincinnati, Chicago and St.	Passenger transportation	25.0
	Louis Rwy. Co.	do	42 70
	Northern Pacific Rwy. Co	do	33.00
	Yazoo and Mississippi Valley R. R. Co	do	43.70 33.00 16.00
	Baltimore and Ohio R. R. Co.	do	16.50
22	Pow roll La Crosso	Salaries	2. 60 63. 00
24	A. Salzman	Services	. 7
	J. P. Friez	Supplies	138.50
	Pay roll, Charleston	Salaries	182.00
	Reading Paper Mills	Supplies	699.30
	Pfttsburgh, Cincinnati, Chicago and St. Louis Rwy. Co. Ilinois Central R. R. Co. Northern Pacific Rwy. Co. Yazoo and Mississippi Valley R. R. Co. Baltimore and Ohio R. R. Co. New England Telephone and Telegraph Co. Pay roll, La Crosse. A. Salzman J. P. Friez. Pay roll, Charleston Pioneer Truck Co. Reading Paper Mills H. J. Conrad The Columbia Rubber Works Co. Okonite Co., Limited Jno. Kay. Geo. C. Fahlbusch R. Hinton Thayer & Jackson Stationery Co. W. W. Storm & Co. Geo. B. Wurtz Iowa Telephone Co. J. W. Westgate. Aurora and Friendship Telephone Line. Carolina and Midland Rwy. Co. Bell Telephone Co. of Buffalo. Eastern Rwy. Co. of Minnesota. Great Northwestern Telephone Co. of Canada. Jno. Clark The Miami Telephone Co.	Services and material	2.7
	The Columbia Rubber Works Co	Supplies	9.00
	Ukonite Co., Limited	Sorvings	982.50
	Geo. C. Fahlbusch	Painting	21.00
	R. Hinton	Services	6.00 21.00 8.50
	Thayer & Jackson Stationery Co	Supplies	13.88
	Goo B Wurtz	Traveling expenses	17. 10
	Iowa Telephone Co	Telephone service	17. 10 11. 75 34. 50
	J. W. Westgate	Services	1.00 5.20
	Aurora and Friendship Telephone Line	Telephone service	5. 20
	Bell Telephone Co. of Buffalo	Telephone service	10.40
	Eastern Rwy. Co. of Minnesota	Telegraph service	2.20
	Great Northwestern Telephone Co. of	do	154.10
	Jno Clark	do	8.80
	The Miami Telephone Co	Telephone service	21.00 109.30
	Cumberland Telephone and Telegraph Co.	do	109.30
	Pannsylvania R. R. Co.	Passanger transportation	7.80 23.70
	Jno. Clark The Miami Telephone Co. Cumberland Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co Pennsylvania R. R. Co Southern Pacific Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy Co.	do Telephone service do do Passenger transportation do Telegraph service	48. 95
	Minneapolis, St. Paul and Sault Ste. Marie	Telegraph service	7. 80 23. 70 48. 95 30. 09
	Rwy. Co.	Tolonhone service	
	Deseret Telegraph Co	Telegraph service	15.60 107.80
	Bellaire, Zanesville and Cincinnati Rwy. Co	do	5.50
	Nebraska Telephone Co	Telephone service Telegraph service do Telephone service Telegraph service do Telephone service do do do do do do do Services do	5.50 59.05 2.60 2.58 37.50 71.00 42.00 132.40 134.50 27.00 21.00
	Chicago, Burlington and Northern R. R. Co	do	2.58
	Staunton Mutual Telephone Co	Telephone service	37.50
	Pay roll, Vicksburg	Salaries	71.00
	Pay roll Cairo	do	132.40
	Pay roll, Chattanooga.	do	134. 52
	Pay roll, Augusta	do	27.00
	C. P. Disney	Services	21.00
	Jas. B. Miles	do	50. 00 3. 00 33. 04
23	J. P. Nawrath	Supplies	33.04
	American Bell Telephone Co	Rent of 'phone	54.90
	Addressograph Co	do do Supplies Supplies Coal Services do Services do Go	54. 90 2. 20 64. 00 3. 00
	Jas. R. Hobbs	Services	3,00
	G. W. Turford	do	1.50 30.00
	Joseph Peo	Services and material	30.00
	Oragon Talanhana and Talagraph Co	Telephone service	10.50
	H. L. Pittock	Electric current	22.50 18.00 15.50 1.25
	Portland Gas Co	Gas	15.50
	Perkins Van Line	Services	1.25
	Excelsion Electric Co.	Electricity	210.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. Ohio River Telephone Co Deseret Telegraph Co Bellaire, Zanesville and Cincinnati Rwy. Co Nebraska Telephone Co. Corvallis and Eastern R. R. Co Corvallis and Eastern R. R. Co Chicago, Burlington and Northern R. R. Co Staunton Mutual Telephone Co. Pay roll, Vicksburg. Pay roll, Cairo Pay roll, Cairo Pay roll, Chattanooga. Pay roll, Chattanooga. Pay roll, Augusta C. P. Disney Jas. B. Miles Louisa Johnson J. P. Nawyath American Bell Telephone Co. Addressograph Co. J. C. Wilson & Co. Jas. R. Hobbs G. W. Turford Joseph Peo Columbia Telephone Co Oregon Telephone and Telegraph Co H. L. Pittock Portland Gas Co Perkins Van Line Portland Trust Co. of Oregon Excelsior Electric Co J. J. Mulligan R. D. Willson	Services do Services and material Telephone service do Electric current Gas Services Rent of office Electricity Service and material Supplies	1.42 2.50
1	R. D. Willson	Supplies	1.00

Date.	Name.	Nature of payment.	Total
1898.			
ov. 23	Edw. de Groff. Southern Bell Telephone and Telegraph Co- Duff Dodson W. L. Bell J. R. Buckelew. Rudolph, West & Co R. C. Ballantyne R. P. Clarke Willis L. Moore.	Supplies	\$1
• ,	Southern Bell Telephone and Telegraph Co.	Telephone service	7
	Duff Dodson	Services and material	5
00	W.L.Bell	Carrolina	16 207
30	J. R. Buckelew	Supplies	207
	P. C. Bellentyne	do	19 55] 18
	R. P. Clarke	do	1
	Willis L. Moore	Traveling expenses	84
	do	do	45 15
	Geo. F. Muth & Co	Supplies	49
	Jas. B. Lambie	do	15
	T. L	Convices	17
	Som! Pagen in	do	2: 2:
	Clarence W Canfield	do	2
	H.S. Kiely	do	23
	J. L. Foot	do	2
	Jas. B. Batey	do	21
	Michl. McNamara	do	23
	Alex. J. Pollock	00	28
	C H Rushnell	do	3: 2:
	do	do	46
	Arthur Westerdahl	do	15
	Jno. Auhenser	do	15 25 25 25 25
	W. F. R. Phillips et al	Salaries	253
/	Jno. P. Church et al	do	2,49
c. 1	Pay roll, Charleston	do	2, 497 18 45
	Pay roll Omobo	do	990
	Pay roll Pittsburg	do	220 322
	Pay roll, Galveston	do	404
	Pay roll, Portland, Oreg	do	45
	Pay roll, Mobile	do	81
	Pay roll, Raleigh	do	97 49
	Pay roll, Nashville	do	49
2	E. J. Gillord	Services	21
~	T C Hamilton	do	10 15
	Daniel Duffey	do	15
	Edwd. Keimer	do	ā
	W.S. Brockman	do	
	Pay roll, Columbus	Salaries	256 66
	Pay roll, Savannan	00	66
	Pay roll New Orleans	do	90
	Pay roll, St. Louis	do	67 184
	Pay roll, Fort Smith	do	36
	Pay roll, Alpena	do	75
_	Rudolph, West & Co R. C. Ballantyne R. P. Clarke Willis L. Moore do Geo. F. Muth & Co Jas. B. Lambie	do	40
3	Pay roll, Montgomery	do	128
	Pay roll St Louis	do	161
	Pay roll. Des Moines	do	105 221
	Howard K. Holcomb	Traveling expenses	221 11
	E. A. Beal	do	43 20
	H.B. Hersey	do	20
	A. T. Burrows	do	5
	Chas. Adie	do	1
	A G Ma Adio	Expenses	10 10 4
	H. B. Bover	do	10
	E. H. Emery	do	4
	R. G. Allen	do	6
	E.H. Emery R. G. Allen Norman B. Conger Geo. S. Waite	do	15
	Geo. S. Waite	Der vice and material	15
	E.F. Gunler	do.	3
	B B Pollock	do	2
	Jos. Watkins	Drayage	3 2 1 3 6 2 2
	Richard Lee	Services	6
	Ed. Peake	do	2
	E. M. Bowman	Drayage	2
	Johnson & Johnson	Fuel	9. 12. 7.
	Talbot & Hubbard	Supplies	12
	Jos. Watkins. Richard Lee Ed. Peake E. M. Bowman Johnson & Johnson Talbot & Hubbard R. B. Merrill Babhitt Bros	Fuel Supplies Ice Supplies	7
		Supplies do Salaries	27
		110	183

Date.	Name.	Nature of payment.	Total.
		-	
1898. Dec. 5	Pay roll, Savannah Pay roll, New Orleans  do Pay roll, Vicksburg Pay roll, Galveston Pay roll, Portland, Me Pay roll, New York J. B. Flora & Co T. W. & C. B. Sheridan E. C. Palmer & Co., Limited W. B. Fells Estate of John Schultzbach S. A. Duvall Wm. Ballantyne & Sons Jno. C. Parker	Salaries	\$202.00 220.80 146.20 24.20 15.00 60.00
	Pay roll, New Orleans	do	220.80
	Powedl Vielzehung	do	146. 20
	Pay roll, Galveston	do	15.00
	Pay roll, Portland, Me.	do	60.00
	Pay roll, New York	do	55.00
	J. B. Flora & Co	Stoves	20.00 2.20 1.00
	T. W. & C. B. Sneridan	Supplies	2.2
	W. B. Fells	do	380.0
	Estate of John Schultzbach	do	139.0
	S. A. Duvall	do	10.0
	Wm. Ballantyne & Sons	do	14. 98 60. 0
	Jno. C. Parker Saml. Chichester W. & A. McArthur Co., Limited	Services and material	7.0
	W. & A. McArthur Co., Limited	do	16.0
	W.B. Moses & Sons	Supplies	144.1
	Geo. Darden	Service and material	3.0
	John Auhenser Salt Lake Towel Supply Co Descret News Publishing Co	Supplies .	$\frac{46.5}{1.5}$
	Descret News Publishing Co	Services	32.5
	E. Biondi	do	30.0
	J. K. Hooper	Expenses	3.0
	H. W. Richardson H. N. Johnson, attorney in fact of C. S. &	do	4.9
	H. N. Johnson, attorney in fact of C. S. &	Rent of office	69.0
	J. L. McLaury. Chamber of Commerce Building Co	do	75.2
		Passenger transportation	20.2
	Chas, S. Willis Pay roll, Atlanta Pay roll, Wilmington	Traveling expenses	20. 2 8. 6
6	Chas. S. Willis	Signs	12.0
7	Pay roll, Atlanta	Salaries	62. 0 42. 8
	Pay roll, Charleston.	do	24.8
	dodo	do	35.0
	Pay roll Sayannah	do	67.6
	Pay roll, Minneapolis Pay roll, Mobile Pay roll, Montgomery. W. W. Best	do	330.4
	Pay roll Montgomery	do	176. 4 43. 2
	W. W. Best	Services	5.0
	D. Cosby	L	5
	American Express Co	Transportation	6.2
	Northern Telephone Exchange Co	Telephone service	18. 0 12. 0
	New England Telephone and Telegraph Co.	do	12.0
	Southern Telegraph and Telephone Co	do	15.0
	Southern Telegraph and Telephone Co San Antonio Ice Co	Ice	5. 2 5. 5
	W. P. Binyon & Co	Services	ð. 8
	Alpheus Drinkwater Patterson Transfer Co	do	3.7 2.2 1.5 27.0
	J. P. Glynn	do	1. 5
	J. R. Robinson	do	27.0
	J. A. Becker	do	10.0
	J. W. Long J. H. Callender J. H. Bunnell & Co	do	7. ( 45. (
	J. H. Callender	do	61. 8
	E. A. Peters & Co.	do	2.5
	E. A. Peters & Co. W. H. Marvin	Services and material	1.5
	Stout & Rogers. Wm. Senter & Co	do	3.0
	Wm. Senter & Co	do	7.5 3.0
	J. A. Rainey Hedric & Bolthoff Manufacturing and Sup-	do do	3. 0
	ply Co.		
10	Fredk. Springmann	Transportation	37.1
16	Fredk. Springmann W. M. Wilson	Expenses	5. 8 3. 0
	J. W. Lattin Mobile Light and Railroad Co	Expenses Storage Light	5. 5
	J. S. Hazen	Traveling expenses	4.2
	W. A. Simons	do	4. 2 7. 0
	J. W. Halford	do	28.5 5.7
	H. C. Merrill	do	5. 7 16. 7
	H. A. McNally Seth Graham & Son	Duoro ao	16.7
	California Truck Co	do	2. 1 3. 2 43. (
	California Truck Co Elizabeth L. Renoe Robt. Bonson	Rent of office	43. (
	Robt. Bonson	Rent of ground	4.7
	Robt Bonson Pay roll, New York, N. Y Pay roll, Louisville, Ky Adams Express Co	Salaries	55.0 293.2
	Pay roll, Louisville, Ky	Transportation	293. 2 51. 8
			5.0

te.	Name.	Nature of payment.	Total
98.			
16	Seattle and Neah Bay Transfer Co	Transportation	\$18
	F.J. Hart	Passangan transportation	26
	do	do	9
	Alaska Commercial Co	do	63
	Baltimore and Ohio Southwestern Rwy. Co	do	20
	Erie R. R. Co.	do	ç
	Wabash K. K. Co	do	45
	Chicago, Milwaukee and St. Paul Rwy, Co.	do	45 8
	Seattle and Neah Bay Transfer Co	do	2
	Baltimore and Ohio R. R. Co		16 21
	Norfolk and Southern R. R. Co	do	§ 8
	Northern Central Rwy. Co	dodo	5
	Norfolk and Southern R. R. Co Northern Central Rwy. Co Norfolk and Washington, D. C., Steamboat Co.	Transportation	4
	The Maurice Joyce Engraving Co	Supplies and services	34
	W C Newton & Co	do	34 43 103
	Bendernagel & Co.	do	100
	Arkansas Democrat Co	do	4
	W.W.Cone	do	6
	E. W. Turner	do	2
	Postal Telegraph Cable Co	Tolograph service	
	East Louisiana R. R. Co	dodo	
	Cumberland Telephone and Telegraph Co-	do	30
	J. A. Fox	do	(
	Norfolk and Washington, D. C., Steamboat C.O. The Maurice Joyce Engraving Codo W. C. Newton & Co. Bendernagel & Co. Arkansas Democrat Co W. W. Cone E. W. Turner The Smith Premier Typewriter Co. Postal Telegraph Cable Co. East Louisiana R. R. Co. Cumberland Telephone and Telegraph Co.J. A. Fox Smithfield Telephone Co. Chicago, Burlington and Northern R. R. Co. Convallis and Eastern R. R. Co.	Telephone service	
	Corvallis and Eastern R. R. Co	do	6
	Chesterfield Telephone and Telegraph Co.	do	1
	Carolina Midland Rwy. Co	do	
	Fort Worth and Denver City Rwy. Co	do	2.
	Iowa Telephone Co	Telephone service	28
	Corvallis and Eastern R. R. Co Chesterfield Telephone and Telegraph Co Carolina Midland Rwy. Co — Fort Worth and Denver City Rwy. Co — do — d	do	1
	H. E. Wadsworth	Telegraph service	49
	Jno. R. Robinson	Services	9
	Expressman's Delivery Co	do	7
	G W Readley	do	
	E. C. Godfrey	do	1
	W. T. Brooke	do	10
	W. B. Keeler	do	5
	Expressman's Denvery Co	do	36
	Adam Glass	0.0	31
	L. Naegels & Sons	do	98
	Standard Oil Co	Supplies	
	Jno. H. Cook	do	4 2
	Easton & Runn	do	150
	Estate of Jno. Schultzbach	do	139 139 139 317
	W. B. Moses & Sons	do	133
	J. R. Buckelew	do	317
	Jho. C. Parker	do	179 167 167
	M Du Porow		167
	W. C. Newton & Co	do	10
	do	do	60
	Jas. B. Lambie	do	60
	R. C. M. Burton	Flags	4
	Hoke Engraving Plate Co	Packing boxes	-7
	Fuchs & Lang Manufacturing Co	Supplies	57 10
	O. J. Maigue	do	36
	Queen & Co., Incorporated	do	43
	E. J. Brooks & Co	do	36 43 302
	American France Formation	Ice	5
	M R Zimmer	Supplies	1
	Johnson & Forbes	Oil	5 1 47 1
	I M Compysell	Supplies	7 2

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 16	Jas. Graham Co W. W. Montague & Co Dunham, Carrigan & Hayden Co J. P. Friez	Supplies	\$1.75 .90
	Dunham Carrigan & Haydan Co	do	. 90
	J. P. Friez	do	22.50
	Southwestern Telegraph and Telephone	Telephone service	6.00
	Co.		
	Ocean Towboat Line	Telegraph service	60.00 13.75
	Line.	do	15, 75
	Did a labia Des dia	do	8.19
	graph Co.		
	J. T. Harper	do	14.02
	Ohio Pivor Tolophone Co.	Telephone service	2.75 7.50
	graph Co. J. T. Harper Bell Telephone Co. of Buffalo, N. Y Ohio River Telephone Co Aurora and Friendship Telegraph Line New York Union Telegraph Co International Ocean Telegraph Co Great Northwestern Telegraph Co. of Canada.	Telegraph service	2,50
	New York Union Telegraph Co	do	7.70
	International Ocean Telegraph Co	do	2.50 7.70 152.66 157.02
	Great Northwestern Telegraph Co. of	do	157.02
	W.E. Chidester	Services	16.00
	Jeseph Ridgway, ir	dodo	140.00
	C. E. Hayman	do	1.75
	F. A. Goulter	do	1.75
	L. H. Pedlar	do	3.50
	do	do	100.00 112.50
	International Ocean Telegraph Co. Great Northwestern Telegraph Co. of Canada. W. E. Chidester Joseph Ridgway, jr C. E. Hayman F. A. Goulter L. H. Pedlar Hoke Engraving Plate Co. do. do. do. do. Pay roll, Memphis. Pay roll, Memphis. Pay roll, Memphis. Pay roll, J. Kew Orleans do. J. B. Dillon C. F. von Herrmann W. H. Scholl F. H. Brandenburg E. A. Beals G. H. Hagen F. E. Payne P. G. Neeld Geo. Bell Brun & Post Carpet and Drapery Co. Jas. F. Blewett C. G. Swan Jno. McKay C. R. Ross F. J. Defuet	do	112.50 112.50
	do	do	45.67
17	Pay roll, Mobile	Salaries	49.60
	Pay roll, Memphis	do	74. 40 68. 20
	do	- do	49. 60 266. 60 42. 00 136. 40
	Pay roll. Little Rock	do	266.60
	do	do	42.00
	Pay roll, Galveston	do	136.40
	Pay roll, Portland, Oreg	Traveling avnances	12.50
	C. F. von Herrmann	do	2.25
	W.H. Scholl	do	39. 75 12. 50 2. 25 23. 00 10. 25 3. 35 10. 15
	F. H. Brandenburg	do	10.25
	C. H. Hagen	do	5. 50 10, 15
	F. E. Payne	do	23, 10
	P. G. Neeld	Services	23. 10 1. 00
	Geo. Bell	do	1.50
	Brun & Post Carpet and Drapery Co	do	4.00 18.45
	Jas F Blewett	do	15.40
	C. G. Swan	do	3.00 55.90
	Jno. McKay	Services and material	55. 90
	C. R. Ross	Services	43.56
	Ino Haffermen	Drayage	4.00
	C. R. Ross F. J. Defuet Jno. Hefferman Payne & Willingham	do	10.00
	Wm. Empting	Water	3 75
	Wm. Empting Barney Flynn Alaska Commercial Co. Little Rock Edison Electric Light and	Ice Purchases Electric current	4. 60 8. 45 16. 97
	Alaska Commercial Co.	Purchases	16 97
	Power Co.	Electric current	10. 01
	J. W. Butler Paper Co Edw. De Graff	Paper	16.50
	Edw. De Graff	Coal	30.00
	G. H. Miller	Rent of office	157. 95
	J. W. Butler Paper Co Edw. De Graff (J. H. Miller E. J. Brooks & Co Addressograph Co The J. F. W. Dorman Co	Supplies	30.00 157.95 18.75 16.88
	The J F W Dorman Co	do	61.71
	do	do	60.00
	do do E. H. Bowie Fred S. Johnson A. G. McAdie W. M. Fulton T. S. Collins.	do	61.71 60.00 47.37 4.20 1.60 8.25 27.50
	E. H. Bowie	Express	1.20
	A G McAdie	do	8.25
	W. M. Fulton	do	27.50
20	T. S. Collins.	Traveling expenses.	
	Jno. Craig	Office expenses	1.35
22	International Ocean Telegraph Line	Telegraph services	108.94
	do do Northwestern Kwy. Co	rassenger transportation	28,00
	Wabash R. R. Co	Transportation	. 50
	Jno. Craig Jno. Craig International Ocean Telegraph Line Chicago and Northwestern Rwy. Co. do Wabash R. R. Co. A. J. Stowe & Bro A. E. Drinkwater	Office expenses. Telegraph services. Passenger transportation do Transportation do Services.	1.53 158.94 49.35 28.00 .50 2.50
	A. E. Drinkwater	Services	5.00
	D. Stormont	Horse hire	2.00

	Name.	Nature of payment.	Total.
1898.			
Dec. 22	Jno. Cooper L. H. Pedlar A. J. Goulter Belt & Dyer United Typewriter Supply Co Broderick Bros O. J. Carlson	Services	\$4.80
	L. H. Pedlar	do do Supplies Services	3. 50 20. 12 6. 30
	A.J. Goulter	Supplies	20.17
	United Typewriter Supply Co	Services	7.60
	Broderick Bros	Supplies	14.00
	O. J. Carlson	Supplies Services and material	14.00 5.00
	Smith Premier Typewriter Co	Supplies	2.10
	O. J. Carlson Smith Premier Typewriter Co. Viaduct Manufacturing Co. Peter Raber L. H. Jones	Supplies	1.00 7.00 3.30
	L. H. Jones	Services	3.30
	J. W. Hussey	Drayage	2.50 1.00
	Wm. McLaughlin	Services	1.00
	Urnstadter Myers Co	Services	4.00 4.00
	Fones Bros Hardware Co	Supplies Services and materials Gas	8 40
	Little Rock Plumbing Co.	Services and materials	8.40 12.50 19.80
	Pulaski Gas Light Co	Gas	19.80
	E. A. Fitz-Henry	Services Services and materials	10.00
	E. C. Fasoldt	Services and materials	2.00
	J. J. Pagnette	đo	6. 90 1. 78
	Bennie Marsden	Services	5.00
	J. E. Miller	Services and materials  do  do  Services  do  do	2.50
	Wm. H. Rinney	do	2.50 3.78
	L. H. Jones J. W. Hussey Wm. McLaughlin Urnstadter Myers Co. A. T. Farrell Fones Bros. Hardware Co. Little Rock Plumbing Co. Pulaski Gas Light Co. E. A. Fitz-Henry E. C. Fasoldt Zimmerman Hardware Manufacturing Co. J. J. Paquette. Bennie Marsden J. E. Miller Wm. H. Rinney L. M. Wentz O. D. Stewart Frank Jermin J. E. Entwistle F. P. May & Co.	do	6.20
	U.D. Stewart	Traveling expenses	8. 83
	J. E. Entwistle	Service Files Files Passenger transportation do Supplies do do do do Telegraph service do Paper Telegraph service Services Supplies do Office rent Traveling expenses Expenses	4.50 5.00
	F.P. May & Co	Files	4.86
	S. E. Elliwiste F. P. May & Co Southern Rwy. Co do American Type Founders Co do	Passenger transportation	24.18
	do	do	20.20
	American Type Founders Co	Supplies	3.60
	do	do	14. 09 13. 81
	Chadwick Copying Book Co.	do	13. 81 61. 28
	East Louisiana R. R. Co	Telegraph service	2.60 30.00
	do	do	30.00
	R. Carter Ballantyne	Paper	544.16 26.40
	do	do	12.40
	Pennsylvania R. R. Co	Passenger transportation	94.25
	Da Costa Printing Co	Services	94. 25 58. 50
	E. S. Braisted	Supplies	9. 51
	P I Hart	Office vent	. 8a
	Paul De Graw	Traveling expenses	5. 00 28. 90
- 1	Jos. P. Bolton	Expenses	3.00 10.00 307.90
	Dewey A. Seeley	Traveling expenses	10.00
	Washburn & Moen Manufacturing Co	Supplies	307.90
	M R Sanford	do de	6.25 6.50
	Hall, Headington & Co	Supplies	54.84
	Vance Printing Co	do	54.84 48.25 6.30 20.20
	Arctic Oil Works	Oil	6.30
	Paul De Graw Jos. P. Bolton Dewey A. Seeley Washburn & Moen Manufacturing Co. Albert Ashenberger M. R. Sanford Hall, Headington & Co. Vance Printing Co. Arctic Oil Works American Bell Telephone Co. Baltimore and Ohio Southwestern Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Telephone rental	20.20
	Cleveland Cincinnati Chicago and St	do	8.42 .58
	Louis Rwy. Co.		. 00
	Cleveland Terminal Valley R. R. Co	do	2.75
23	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	2. 75 12. 75
	Louis Prov. Co.	do	51.40
1	Pennsylvania Company	đo	60.80
1	Florida East Coast Rwy. Co	do	21.40
	Norfolk and Carolina R. R. Co	do	19 65
	Texas and Pacific Rwy. Co	do	25.00
	Raleigh and Gaston P. P. Co	00 do	25.00 54.00 6.30
	Missouri, Kansas and Texas Rwy, Co	do	16.65
	Santa Fé Pacific R. R. Co	do	55. 65 13. 85
		do	19.05
	New York, New Haven and Hartford R. R.	u0	10,00
	New York, New Haven and Hartford R. R.		
	Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Cleveland Terminal Valley R. R. Co. Chicago, Milwaukee and St. Paul Rwy, Co. Pittsburg, Cincinnati, Chicago and St. Louis Rwy, Co. Pennsylvania Company. Florida East Coast Rwy, Co. Norfolk and Carolina R. R. Co. Texas and Pacific Rwy. Co. Louisville and Nashyille R. R. Co. Raleigh and Gaston R. R. Co. Missouri, Kansas and Texas Rwy, Co. Santa Fé Pacific R. R. Co. New York, New Haven and Hartford R. R. Co. Oregon Short Line R. R. Co.	do	50.55
	New York, New Haven and Hartford R. R. Co. Oregon Short Line R. R. Co. C. W. Crutsinger G. C. Snyder & Co.	do	50.55 1.80
	New York, New Haven and Hartford R. R. Co. Oregon Short Line R. R. Co. C. W. Crutsinger G. C. Snyder & Co. M. C. Baker & Son	do do Service and material do do	50.55 1.80 4.10
	New York, New Haven and Hartford R. R. Co. Co. Oregon Short Line R. R. Co. C. W. Crutsinger G. C. Snyder & Co. M. C. Baker & Son James Lambert O. J. Mairs. Geo. Bergen	do Service and material do do do do	50.55

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 23	Mangrum & Otter California Electric Works. Vermont Telephone and Telegraph Line The Bell Telephone Co. of Buffalo. The Ohio River Telephone Line. Aurora and Friendship Telephone Line. Great Northwestern Telephone Co. of	Stoves	\$45.0 10.6 9.0
	California Electric Works	Supplies	10.6
	Vermont Telephone and Telegraph Line	Telephone services	9.0
	The Bell Telephone Co. of Buffalo	do	4. 4 7. 8 2. 6 150. 9
	The Ohio River Telephone Line	do	7.8
	Aurora and Friendship Telephone Line	do	2. 6
	Great Northwestern Telephone Co. of	do	150.9
	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraph service	8.2
	graph Co.	3	10.0
	Minneapolis, St. Paul and Sault Ste. Marie	do	40. 8
	Rwy. Co. Baltimore and Ohio Southwestern Rwy.	Transportation	1.1
	Co.	Transportation	1.1
	Louisville and Nashville R. R. Co	do	1.0
	A W Shilling	Travaling avnances	2.2
	A. W. Shilling A. F. Sims	do	4.6
	R. V. Evans R. M. Hardinge Jno. P. Church et al W. F. R. Phillips et al	do	3.2 6.7
	R M Hardings	do	6.5
31	Jno P Church et al	Salaries	2,511.9
01	W F R Phillips et al	do	252.8
	The state of the s		700.6
	Total second quarter		71, 958. 8
	200020000000000000000000000000000000000		11,000.0
1899.			
Jan. 3	Postal Telegraph Cable Co- United States Express Co-	Telegraph service	190.€
	United States Express Co	Transportation Measuring stick	25. 4 23. 0 35. 2 47. 6
	Fred. A. Schmidt W. C. Newton & Co		23.0
	W. C. Newton & Co		35. 2
	do E. M. Tilden R. P. Clarke J. E. Turton Beverly Hudnell	Type, furniture, etc	47. 6
	E. M. Tilden	Type	15.5
	R.P. Clarke	Millinet for printing office	1. § 1, 020. 0
	J. E. Turton	Instrument shelters	1,020.0
	Beverly Hudnell	Cleaning weather map	2.6 2.6
	Beverly Hudnell Charlie Carter Paine Bros. B. D. Johnson	do	2.6
4.	Paine Bros.	Omce rent	73.9
	B. D. Johnson	ao	45.0
	Is a Block Fred Arnold O. J. Mairs Tyree & Wilkins, agents Pacific Club A. C. Rackliffe A. J. Knight Edgen Harding	do	77.5
	O I Maina	do	75. 0 67. 5 67. 5
	Tymoo & William agents	do	01.0
	Pacific Club	do	67. 5
	A C Rackliffe	do	75.0
	A J Knight	do	75. ( 79. 4
	Edgar Harding Walla Walla Lodge, No. 56, I. O. O. F Ella W. Daniels P. Laveager, county treasurer	do	87.5
	Walla Walla Lodge, No. 56, I. O. O. F	do	84.8
	Ella W. Daniels	do	75. ( 67. (
	P. Laveager, county treasurer	do	67.0
	O. B. Hart	do	16.0
	F. E. Warren Mercantile Co	do	91.9
	T. B. Catron	do	105. ( 42. (
	C. M. Boucher	do	42.0
	Guaranty Building Co	do	126. 1 115. (
	Farmers' Bank of Fresno	do	115.0
	P. Laveager, county treasurer O. B. Hart F. E. Warren Mercantile Co T. B. Catron C. M. Boucher Guaranty Building Co Farmers' Bank of Fresno Indianapolis Gas Co. F. M. Brown & Co E. L. Benge	do	250. ( 100. (
	F. M. Brown & Co	do	100.
	E. L. Renoe R. McLaughlin Asher Marks, administrator G. E. Shaw	00	100. 150. 77. 70.
	K. McLaughin		150.
	Asher Marks, auministrator	d0	. 70
	D. E. Elli.	Erecting instrument shelters	93.
	B.F. Ellis C.F. Godfrey Jno. Partridge	Popoling to alook	95.
	Ino Pontuidge	Pinding book	3. ( 1. (
	('hac ('annell	Rent of ground	9.
	A A Spring	Repairs to clock.  Binding book. Rent of ground. Services of tugboat. Services and material.	2.5 35.
	A. A. Spring Wm. Houtz American Type Founders Co	Services and material	22.
	American Type Founders Co		11.0
	American Type Founders Co do C. A. Kitzmiller The J. F. W. Dorman Co do Pay roll, New Haven, Conn Pay roll, Buffalo, N. Y K. E. Thielen	do Repairs to printing press Chimney, burner, etc. Rubber stamps	22.
	C. A. Kitzmiller	Chimney, burner, etc.	22.5
	The J. F. W. Dorman Co	Rubber stamps	3.6
	do	Fasteners	35. (
	Pay roll, New Haven, Conn	Fasteners Substation salaries do Services	48.0
	Pay roll, Buffalo, N. Y	do	79.
	K. E. Thielen	Services	15.0
	Zetta Higgins	do	30.0
	Zetta Higgins H. L. Holden	do	24.8 2.8
		Souviges and material	9 1
	Louis Bader	Services and material	A. t
	Louis Bader J. H. Thiemeyer	Packing boxes	28.
	Louis Bader J. H. Thiemeyer Mecklenburg Iron Works. J. P. Friez	Services and material Packing boxes Erecting wind vanes, etc Supplies	28. 7. 167.

		V.	
Date.	Name.	Nature of payment.	Total.
1899.			
an. 4	Goodyear Rubber Co	Rubber blankets	\$29.56
	Mackall Bros	Soan	13.00 926.40 2.00
	J. F. Friez H. W. Herman	Supplies	926.40
	H. W. Herman	Supplies Mail bag Traveling expenses	2.00
	O.D. Leisenring	Traveling expenses	4.75
5	Sami. Bacon, Jr	The avantage of a	2.00
9	O. D. Leisenring Saml. Bacon, jr J. R. Buckelew Jno. C. Parker	Traveling expenses do  Typewriters, etc Paper for printing office Clips Matches, ink, etc Envelopes	4.75 2.50 207.00 235.16
	dodo	Clins	10.00
	GO E. S. Beardsley Holyoke Envelope Co. Dunham, Carrigan & Hayden Co. Berry & Oakman Joseph Ridgway E. A. Beattie	Matches ink etc	4 60
	Holyoke Envelope Co	Envelopes	4.60 13.00
	Dunham, Carrigan & Hayden Co	Clamps	1.33
	Berry & Oakman	Dating stamps	2.00 46.50
	Joseph Ridgway	Services	46.50
	E. A. Beattie	Clamps Dating stamps Services Printing monthly crop bulle-	36.00
			40.00
	Annie Reed Louis Prior	Services	12.26 9.00
	Louis Prior	do	9.00
	Katie Collins Sullivan & Martin	Cleaning and painting office	9.00 70.00
	Sumvan & martin	room.	10.00
	D. H. McBeath	Services and material	48.00
	F. M. McKeough	Recasting rollers	3.00
	Havre Furniture Co	Typewriter stand	4.00
	D. H. McBeath F. M. McKeough Havre Furniture Co L. & E. Eznanuel Wood Peavy Furniture Co. Wild & Stevens Inland Telephone and Telegraph Co Santa Fe Electric Telephone Co. Sunset Telephone and Telegraph Co Lynchburg Telephone Co E. S. Hughes & Co Maggie French T. M. Jeffris & Co J. A. Smith Bunce & liams Portland Trust Co. of Oregon R. A. Dodson executor C. S. McLaauy, J. H. McLaauy, and P. A.	File case	75.00
	Wood Peavy Furniture Co	Furniture	55.00
	Wild & Stevens	Rollers	4.95
	Inland Telephone and Telegraph Co	Telephone service	18.00
	Santa Fe Electric Telephone Co	do	6.00
	Lynchburg Telephone and Telegraph Co	do	6.00
	E S Hughes & Co	Office went	3.00
	Maggie Franch	do	106.11 74.20
	T. M. Jeffris & Co	do	100.00
	J. A. Smith	do	90.00 90.00
	Bunce & Iiams	do	90,00
	Portland Trust Co. of Oregon	do	210.00
	R. A. Dodson, executor	do	131.25 69.00
	C.S. McLaauy, J. H. McLaauy, and P.A.	do	69.00
	Johnson. Baltimore and Ohio Southwestern Rwy.	Transportation	.79
	Co.	Transportation	. 19
7	United States Evapore Co	do	79.00
	Jno. R. Galloway	Electric fan	23.00
	Jno. R. Galloway Maurice Joyce Engraving Co Mackall Bros. Jas. B. Lambie	Electric fan Supplies, etc Glycerine Waste cotton Traveling expenses Telephone services	46, 69
	Mackall Bros	Glycerine	7.00 20.25
4.0	Jas. B. Lambie	Waste cotton	20.25
10	J.H. Kımball Southern New England Telephone Co Southwestern Telegraph and Telephone	Traveling expenses	10.00
12	Southern New England Telephone Co	Telephone services	31.00
	Co.	ao	15.00
	do.	do	19 99
	Southern States Telephone Co	do	13.33
	Bell Telephone Co. of Buffalo	do	7.50 12.59
	Sunset Telephone and Telegraph Co	do	6.00
	dodoSouthern States Telephone CoBell Telephone Coof Buffalo Sunset Telephone and Telegraph CoSouthern Bell Telephone and Telegraph	do	3.00
	Pennsylvania Telephone Co	do	21.00
	Pennsylvania Telephone Co	do	18.00 15.00 120.00
	E H Ismisson	Onice rent	15.00
	P H Sweeringen	GO	120.00
	Union Trust Building Co. Limited	do	48.00
	Peter Sonna	do	72.00
	State Trust Co	do	137.50 72.00 87.50
	Wm. Chandler	do	84,00
	Jno. L. & Wm. L. McCague	do	84.00 125.00 38.62
	H. W. Styron	do	38.62
	Albort Manty	do	66.31 165.00
	I H March	Dynamit was	165.00
	E. H. Jamieson P. H. Swearingen Union Trust Building Co., Limited Peter Sonna State Trust Co. Wm. Chandler Jno. L. & Wm. L. McCague H. W. Styron First National Bank, Moorhead, Minn Albert Marty J. H. March Duluth Van Express and Storage Co W. T. Core Blue Mountain Ice and Fuel Co. Jno. Bowden	Duerone	56.50 2.50
	W. T. Core	Flagetaff	2.50 6.50
	Blue Mountain Ice and Fred Co	Ice	6.50
	Jno. Bowden	Services	1.10
	Knight & Rosenkrans	Washing towels	1.50
	The J. F. W. Dorman Co	Rubber stamps	25. 26
	American Type Founders Co	Supplies	45.17
	Mich Bowden Knight & Rosenkrans The J. F. W. Dorman Co American Type Founders Co Queen & Co. (incorporated) Hall, Headington & Co	Barographs, etc	1,139.00
	Han, Headington & Co	Ce Services	80.48

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\tt Cont'd.}$ 

Date.	Name.	Nature of payment.	Total.
1899.			
n. 13	Michigan Central R. R. Co	Passenger transportation	\$8.
	Michigan Central R. R. Co. Lake Shore and Michigan Southern Rwy.	do	\$8. 25.
	Co. Chicago and Northwestern Rwy. Co. Louisville and Nashville R. R. Co. Savannah, Florida & Western Rwy. Co. Terre Haute and Indianapolis R. R. Co. Chicago, Burlington and Quincy R. R. Co. Santa Fé, Prescott and Phœnix Rwy. Co. Pennsylvania R. R. Co. Chicago Auditorium Association. The J. C. Ergood Co. W. B. Moses & Sons. Juo. C. Parker	a.	-
	Louisville and Nashville R. R. Co	do	5. 42.
	Savannah, Florida & Western Rwy. Co	do	19.
	Terre Haute and Indianapolis R. R. Co	do	28. 12. 54.
	Chicago, Burlington and Quincy R. R. Co.	do	12.
	Pennsylvania R. R. Co	do	16.
	Chicago Auditorium Association	Office rent	450.
14	The J. C. Ergood Co	Flour	1. 367.
	W. B. Moses & Sons	Furniture	367.
	W. B. MOSES & SORS J. Do. C. Parker E. Morrison Paper Co. J. E. Turton. Harper & Pennington Anna Faris C. A. Blumner J. T. Myers. H. I. Bittook	Typewriter ribbons	9. 36.
	J. E. Turton	Erecting river gauge	38.
19	Harper & Pennington	Towelservice	
	Anna Faris	Towelservice Services  do	4.
i	U. A. Blumner	0	15.
	H. L. Pittock	do Electric current	15. 18.
	H. L. Pittock Corpus Christi Electric Co	do	6.
	Portland Gas Co.	Gas	16. 9.
	Portland Gas Co	Gas. Telephone servicedo	. 9.
	Co.		15.
	Sunset Telephone and Telegraph Co	do	6.
	Henry J. Green	Supplies	6. 18. 17.
	Henry J. Green Geo. Meier & Co Peter Gray	do Suppliesdo Lanterns Suppliesdo Paper, etc. Telephone service	17.
	Peter Gray	Lanterns	58.
	Schneider Bros. American Type Founders Co. Reading Paper Mills Oregon Telephone and Telegraph Co. Southwestern Telegraph and Telephone	do	50. 11.
	Reading Paper Mills	Paper, etc	15.
	Oregon Telephone and Telegraph Co	Telephone service	22. 9.
	Southwestern Telegraph and Telephone	do	9.
			39.
	International Telephone and Telegraph Co	do	9.
	Luke & Smith	Office rent	75. 37.
i	Central Union Telephone Co. International Telephone and Telegraph Co. Luke & Smith M. E. Conway	do	37.
	Cone & Kimball Co	do	75.
	M. E. Conway.  Northwestern Mutual Life Insurance  Cone & Kimball Co  Cincinnati, New Orleans and Texas Pacific Rwy. Co.  Baltimore and Chio Southwestern Rwy. Co.	Passenger transportation	75. 99. 39.
	cific Rwy. Co.	- document of the second	
	Baltimore and Ohio Southwestern Rwy.Co.	do	30. 26. 2. 7. 7. 1.
	I H Deingerfield	Tro voling ovnongog	26.
	Peter Wood	do	7
	L.G. Schultz	do	7.
	Wayland Bailey	Office expenses	1.
	Dovid Cuth houtes	00	10.
	Geo T Todd	do	1.
	F. H. Brandenburg	do	4. 2. 2. 5. 5. 7. 1.
	J. C. Hayden	do	2.
	E. H. Emery	do	5.
	R. Connor	do	7
	W. H. Fallon	do	i.
	J. Craig	do	• 1.
	J. J. Kelliher	do	1.
	Jno. Grover	do	4.
	Geo. N. Wilson	do	
	Chas. M. Strong	do	2.
20	cinc Rwy. Co. Baltimore and Ohio Southwestern Rwy. Co. do L. H. Daingerfield Peter Wood L. G. Schultz. Wayland Bailey Geo. Loveland David Cuthbertson Geo. T. Todd F. H. Brandenburg J. C. Hayden E. H. Emery do R. Connor W. H. Fallon J. Craig J. J. Kelliher Jno. Grover Jas. Kenealy Geo. N. Wilson Chas. M. Strong C. F. R. Wappenhaus Consumers' Electric Light and Street R. R. Co. Ludington Electric Light and Power Co.	Electric light	4. 5.
	Central District and Printing Telegraph	Rent of telephone	5. 34.
	Co. Wisconsin Telephone Co	Telephone service	3.
	Michigan Telephone Co.	do	0.
	Southern Bell Telephone and Telegraph Co.	do	10.
	do	do	7.
	Co.  Wisconsin Telephone Co. Michigan Telephone Co. Southern Bell Telephone and Telegraph Co. do. Cumberland Telephone and Telegraph Co, Michigan Telephone Co. Iowa Telephone Co. Home Telephone Co. W. P. Kane	do	9. 8.
	Levis Telephone Co.	do	6.
			6.

ite.	Name.	Nature of payment.	Total
99.			,
. 20	E. B. Smith T. A. Roberts Amelia McLean P. C. Shaw E. J. Gifford C. A. Blackly E. E. Friday C. P. Disney J. W. Branan E. Biondi C. J. Oyler	Erecting flagstaff	17 2 3 6 21 9
	Amelia McLean	Washing towels	$\tilde{3}$
	P.C. Shaw	do	6
	E. J. Gifford	Services	21
	C. A. Blackly	do	9
	C. P. Digney	do	21 21 15
	J. W. Branan	do	15
	E. Biondi	do	30
	C. J. Oyler	do	49 15
	J. S. Barney	do	49
	H. T. Johnson	Traveling expenses	10 5
	E. H. Emery	Office expenses	6
	E. H. Nimmo	do	6 1 1
	L. A. Welsh	do	1
	J. C. Piercy	do	4
	W. T. Blythe	do	13
	T S Outrom	do	9
	J. W. Smith	do	13 13 2 2 2
	Pay roll, Chicago, Ill	Substation salaries	899 37 55 105
	Pay roll, Sandusky, Ohio.	do	37
	E. E. Friday C. P. Disney J. W. Branan E. Biondi C. J. Oyler J. S. Barney H. T. Johnson J. K. Hooper E. H. Emery E. H. Emery E. H. Simery E. H. Sime	do	55
	Pay roll ('airo III	do	105 134 87 42 109 530 55 36 90
	Pay roll, Charleston S. C.	do	87
	Pay roll, Harrisburg, Pa	do	42
0.0	Pay roll, Montgomery, Ala	do	109
21	Pay roll, Boston, Mass.	do	530
	Pay roll, Augusta, Ga	do	
	Pay roll Narragansett Pier R I	do	90
	Pay roll, Baltimore, Md	do	45
	Pay roll, Savannah, Ga	do	66
1	Pay roll, Charleston, S. C.	do	66 18
1	Pay roll, Chattanooga, Tenn	do	150 321 39
	Pay roll Fort Scott Ark	do	921
	J. W. Lattin	Rent of barn.	1
	Kate F. Coke	Rent of office	60.
	Fanny L. Keating	do	90
1	College & Which	do	25
- 1	Continental National Rank	do	25 78 150
	L. Mirelaz	do	
	Isaac Eberly	do	154 13 100
	Warfield & Dann	do	13
	Bank and Insurance Building Co	do	100
	Pann Mutual Life Insurance Co	do	75
	Jos. Gussenhoven	do .	120
	H. Overholser	do	127
	C. M. Beeson	do	75 81 120 127 97 34 59
	Jas. S. Sebree	do	34.
	Ino Semer	do	59. 91.
1	B. S. Williams	do	91. 55
	Real Estate and Law Building Co	do	34.
	Lorenzo Littlefield.	do	64.
	D. Horton Tacoma Chamber of Commerce and Board	do	120.
	of Trade.	do	60.
Î	Jas. S. Sehree	Rent of shelter	1
	Citizens' Cooperative Telephone Associa-	Telephone service	10.
	tion.  Bell Telephone Co. of Philadelphia.  Chicago Telephone Co.  Northwestern Telephone Exchange City and Suburban Telephone Association.  Southern Bell Telephone and Telegraph Co.  La Crosse Telephone Co.  Nebraska Telephone Co.  Wm. Searle Jas. Evans  Kate E. Reynolds Ella Beahan.  B. F. Modisett L. Rogers	Telephone rent	30.
	Chicago Telephone Co	Telephone service	47. 9.
	City and Suburban Telephone Exchange	do	9.
	Southern Bell Telephone and Telegraph Co.	do	25. 7. 7. 30.
	La Crosse Telephone Co	do	7
	Nebraska Telephone Co	do	30.
	Wm. Searle	Services	16.
	Jas. Evans	do	9.
	Ella Reaban	do	15.
	B. F. Modisett	0D	9. 30.
	F		50. 15.

Date.	Name.	Nature of payment.	Total.
1899.			
n. 21	W. A. Johnson Frank L. Zeigler Mary Larner Aaron Sargent G. S. Congdon Hardware Co.	Service	\$30.0 29.0 8.0 12.0
	Frank L. Zeigler	do do Lantern	29.
	Mary Larner	do	8.1
	G S Congdon Hardware Co	Lantorn	10.
	G. S. Congdon Hardware Co. E. Frost & Son. Elmer C. Godfrey F. J. Hart American Toilet Supplies Co. Robert Little Van Bibber Roller Co. E. R. Smith L. M. Dalrymple E. H. Day S. S. Kelley Guarantee Building Co. Indianapolis Light and Power Co. Virginia Electric Co. Norwich University D. L. Goble Chas Stout	Lantern Painting Repairing telegraph line do Toilet supplies Drayage Recasting printing rollers Cable pole Crating letter press Repairing telegraph line Washing towels Electric current do	2. 5. 0 5. 0 5. 0 2. 3. 1
	Elmer C. Godfrey	Repairing telegraph line	5.0
	F. J. Hart	do	5. (
	American Toilet Supplies Co	Toilet supplies	2.5
	Robert Little	Drayage	3.
	Van Bibber Roller Co	Recasting printing rollers	4. (
	E. R. Smith	Cable pole	1.
	L. M. Dalrymple	Crating letter press	4. (
	E. H. Day	Washing telegraph line	4.1
	Guarantoe Puilding Co	Floatric current	3. ( 9. (
	Indianapolis Light and Power Co	do	18.
	Virginia Electric Co	do .	4
	Norwich University	do	2.0
	D. L. Goble	Magnets	4. 2. 19.
	Chas. Stout	Drayage	6.
	Norwich University	Steam heat	6. 7. 2. 60. 37. 2.
25	Grant Rivenburg	Ice	2.3
23	Adams Express Co	Transportation	60.
	W. C. Newton & Co	Supplies	37.
	The Maurice Lores Francisco Co	Magnets Drayage Steam heat Ice Transportation Supplies Type Electrotype plates Halyards Benzine Stencil paper Substations, salaries do	2.
	Rudolph West & Co	Halvards	8.
	Standard Oil Co	Renzine	4
	Jno. C. Parker	Stencil paper	50.
	Pay roll, Nashville, Tenn	Substations, salaries	58.
	Pay roll, Cleveland, Ohio	do	50. 58. 61. 30. 107. 60. 84. 66. 90.
	Pay roll, Galveston, Tex	do	30.0
	Pay roll, St. Louis, Mo	do	107.
	Pay roll, New Orleans, La	do	60.
	do	do	84.
	Pay roll, Atlanta, Ga	do	66.
	Pay roll, Cincinnati, Ohio	do	90.0
	Pay roll, Parkersburg, W. Va	00	166.
	Pay roll La Crossa Wis	do	62
	Pay roll Shrevenort La	do	42
	Pay roll, Wilmington, N. C.	do	72.
	Pay roll, Augusta, Ga	do	45.0
	Pay roll, Raleigh, N. C.	do	84. 63. 42. 72. 45. 69. 42. 9.
	Pay roll, Little Rock, Ark	do	42.0
	Vermont Telephone and Telegraph Co	Telephone service	9.
	R. L. Lewis	do	15.
	Lairo Telepnone Co	00	6.1
	Michigan Tolophone Co	do	6.
	Iowa Telephone Co	do	34
	Columbia Telephone Co	do	10.
	W. T. Smith	do	8.0
	Chesapeake and Potomac Telephone Co	do	33.
	Southern Bell Telephone and Telegraph Co	do	6. 6. 34. 10. 8. 33.
	New York and Pennsylvania Telephone	Telephone rent	21.
	and Telegraph Co.	Molombono convi-	15
	Grant Rivenburg. Adams Express Co. W. C. Newton & Co. do. The Maurice Joyce Engraving Co. Rudolph, West & Co. Standard Oil Co. Jno. C. Parker. Pay roll, Nashville, Tenn. Pay roll, Gleveland, Ohio. Pay roll, Salveston, Tex. Pay roll, St. Louis, Mo. Pay roll, St. Louis, Mo. Pay roll, St. Louis, Mo. Pay roll, New Orleans, La. do. Pay roll, Atlanta, Ga. Pay roll, Cincinnati, Ohio. Pay roll, Parkersburg. W. Va. Pay roll, La Crosse, Wis. Pay roll, La Crosse, Wis. Pay roll, La Crosse, Wis. Pay roll, Haleigh, N. C. Pay roll, Augusta, Ga. Pay roll, Aleigh, N. C. Pay roll, Elephone and Telegraph Co. R. L. Lewis. Cairo Telephone Co. J. B. Mattingly. Michigan Telephone Co. Iowa Telephone Co. Southern Bell Telephone and Telegraph Co. New York and Pennsylvania Telephone and Telegraph Co. Southern Bell Telephone Co. Duluth Telephone Co. Duluth Telephone Co. Missouri and Kansas Telephone Co. People's Telephone and Telegraph Co. Ohio Valley Telephone and Telegraph Co. Ohio Valley Telephone and Telegraph Co. Obelaware and Atlantic Telegraph and Telegrapene Co. East Tennessee Telephone Co. East Tennessee Telephone Co. East Tennessee Telephone Co. East Tennessee Telephone Co. Geo. E. French & Co.	Telephone service	15.0
	People's Telephone and Telegraph Co	do	· 18.0 7.1 18.0 8.1 12.0
	Ohio Valley Telephone Co	do	18
	Southern Bell Telephone and Telegraph Co	do	8.
	Delaware and Atlantic Telegraph and	do	12.
	Telephone Co.		
	East Tennessee Telephone Co	do	10.0
	Geo. E. French & Co	Oil	6.
	B. McEvoy	do Oil	6.0
	Atlantic City Gas and Water Co	Gas	6.
	Bunalo Gaslight Co	do	. 5.6
	Delaware and Atlantic Telegraph and Telephone Co. East Tennessee Telephone Co Geo. E. French & Co B. McEvoy Atlantic City Gas and Water Co. Buffalo Gaslight Co. Consolidated Gas Co. Consumers' Ice Co. Knickerbocker Ice Co. Citizens' General Electric Co Lincoln Traction Co Charleston Edison Light and Power Co. Grand Haven City Electric Light Co. Cumberland Electric Light and Power Co. J. W. Pemberton J. W. Benham	Tao	9.6
	Wnielzenbeelzen Ide Co	do	1.0
	Citizans' Ganaral Electric Co	Electric current	22
	Lincoln Traction Co	do	6. 5. 6. 8 3. 8 1. 22. 8 13. 8
	Charleston Edison Light and Power Co	do	3 (
	Grand Haven City Electric Light Co	do	3.9 3.4
	Cumberland Electric Light and Power Co	do	15.0
	T W Domborton	do	5. I 8. (

Date.	Name.	Nature of payment.	Total.
1899.			
an. 23	J. C. Baum The Globe Co Châs. Woolwine A. Nelson Nashville Laundry Co. Greater New York Toilet Supply Co. Louisiana Towel Supply Co. M. A. Graham J. Frank Beck D. Stormont	Coal	\$58.50
	The Globe Co	Furniture	92.50
	Chas. Woolwine	Drayage	1.50
	Neshville Laundry Co	Washing towals	1.50 8.70 1.80
	Greater New York Toilet Supply Co	do	2.25
	Louisiana Towel Supply Co	do	6.00
	M. A. Graham	do	1.50 3.00
	J. Frank Beck	Transportation	3.00
	D. Stormont	Transportation	3.04
	G.W. Albright Jno. Maund	Repairing instrument shelters.	2.00 4.00
	Ino Maund	Laving carnet	5 00
	E. Drinkwater	Repairs to telegraph line	2.50
	Irwin's Express Co	Removing furniture	2.50 19.50 30.00
	E. Drinkwater Irwin's Express Co L. Rogers	Laying carpet Repairs to telegraph line Removing furniture Use of horse and cart	30.00
	Arthur A. Day	do	7.60
	Golding & Co	Supplies	18.00
	Hall, Headington & Co	Carpet and mats	8.75 57.88
	J. J. Deright & Co	Typewriter ribbons	2.25
	Viaduct Manufacturing Co	Electric bell	3.50
	Irwin's Express Co L Rogers Arthur A. Day W.H. H. Smith Golding & Co Hall. Headington & Co J. J. Deright & Co Viaduct Manufacturing Co P. Minor J. P. Bolton U. G. Russell L. N. Jesunofsky E. J. Davenport Eliza C. Crocker Ed Kendall W. T. Turbeville	Ice, etc.	3.10
	J. P. BOITON	Office expenses	2.50 1.25
	L. N. Jesunofsky	do	1.50
	E. J. Davenport	Rent of office	75.00
	Eliza C. Crocker	Services	30.00
	Ed Kendall	do	23.23
	T. I. Patrielz	do	15.00 45.00
24	United Typewriter and Supplies Co	Repairing typewriter	5.40
	do	Platen for caligraph	3,00
	Ed Kendall W. T. Turbeville J. L. Patrick United Typewriter and Supplies Codo J. E. Turton J. C. Entwistle B. P. Clarka	Map frames	114.50 5.00
	J. C. Entwistle	Engraving	5.00
	R. P. Clarke	Paner	7.00 62.00
	M. G. Copeland & Co	Flags	461.04
	J. O. C. Parker M. G. Copeland & Co Fred A. Schmidt H. M. Knowles	Lithographic paper	8.50
26		grannine.	184.50
30	C. C. Hayman	Services	5.00
	Edwd Mimme	do	9.00 7.50
	W. W. Best	do	2.50
	A. M. Adie	do	19.50
	E. F. Weihe	do	18.00
	A. T. Bultows	Traveling expenses	6. 25 23. 95
	J. W. Baner	Office expenses	20.99 55
	L. M. Pindell	do	.55 2.40 7.22
	W. M. Wilson	do	7.22
	W.M.Fulton	do	0.00
	C. C. Hayman R. C. Goffin Edwd. Mimms W. W. Best A. M. Adie E. F. Weihe A. T. Burrows C. E. Pauley J. W. Bauer L. M. Pindell W. M. Wilson W. M. Fulton J. W. Smith I. M. Cline Chicago and Great Western Rwy. Co.	do	11.55 7.50
	Chicago and Great Western Rwv.Co.	Passenger transportation.	26, 15
	Union Pacific R. R. Co.	do	26.15 17.00 92.00
	Duluth, South Shore and Atlantic Rwy.	do	92.00 3.35
	Co. Burlington and Missouri River R. R. in		17.00
	Nebraska. New York Central and Hudson River R. R.	do	3.10
	Co		
	Louisville. Evansville and St. Louis Consolidated R. R. Co. Delaware and Hudson Canal Co	3-	11.75
	Rwy. Co.	ao	2. 64 3. 40
	Richmond, Fredericksburg and Potomac	do	3.50
	Catherine Wilson	do	52.85
	Society for Savings in City of Chicago	Omce rent	140.82
	A. P. Eagleston	do	285.00 65.00
	E.S. Levy	do	150 (8)
	R.R. Co. Southern Pacific Co. Catherine Wilson Society for Savings in City of Chicago A. P. Eagleston E. S. Levy. Chamber of Commerce Building Co. F. D. Miracle Central Investment Co.	do	75. 21 105. 00 163. 75
	Central Investment Co	do	105.00
	Contrar investment CO		105.75

ite.	Name.	Nature of payment.	Total
99.			
. 30	Mill Valley, Mount Talmalpars Scenic		\$117.
	Rwy. Salt Lake Board of Trade H. H. Taylor, agent, Mills Building American Surety Co. of New York Amarrillo Improvement Co H. J. Arnold Alex. W. Maas American Type Founders Co J. J. Paquette A. P. Langzettel D. R. Martin	do	100.
	H. H. Taylor, agent, Mills Building	do:	322
	American Surety Co. of New York	do	729. 50. 12.
	H. J. Arnold	Erecting river gauge	12
İ	H. J. Arnold Alex. W. Maas American Type Founders Co J. J. Paquette A. P. Langzettel D. R. Martin Wm. Coyner Wm. Debolt California Ink Co F. J. Marklin W. F. Paine Wm. Houtz Knapp Bros J. B Bateman W. H. Brown W. H. Brown W. H. Brown W. H. H. Smith Jno. P. Glynn McCormick & Bates Geo. P. Howard O. J. Glenn The Martin Strelan Co	Cases, etc	184
- 1	American Type Founders Co	Casting rollers	2 4 1
	J.J. Paquette	Burner cones.	4
	D. R. Martin	Flagstaff, etc	22
	Wm. Coyner	Instrument shelter	22 110
	Wm. Debolt	Repairing river gauge	17
	F. J. Marklin	Repairing roof, etc	17 17 3
1	W. F. Paine	Painting signs	3
	Wm. Houtz	Making shelves	7
1	J. B. Bateman	Hauling press roller	3
	W. H. Brown	do	3 3 1
	W. H. H. Smith	do	1 1 2 4 1
	Jno. P. Glynn	do	1
	Geo. P. Howard	do	2
	O.J. Glenn	Drayage	4
	Geo. P. Howard O. J. Glenn The Martin Strelan Co Parkersburg Transfer Co M. B. Boone Hubinger & Schmidt Silver State Towel Supply Co	Souriees	1
	M. B. Boone	Washing towels	3
	M. B. Boone Hubinger & Schmidt Silver State Towel Supply Co Towel Delivery Co Salt Lake Towel Supply Co Dora Moyen Frank Golart C. F. Lores	do	3
	Silver State Towel Supply Co	do	2 3 3 2 4
	Salt Lake Towel Supply Co	dodo	1
1	Dora Moyen	do do	66 16 2 2 63
	Frank Golart	Services	16
	C.H. Jones	do	2
	C. F. Jones C. H. Foster C. C. Rudolph	Printing monthly reports	63
	E. D. Beattle	Servicesdo Use of team	- 50
	C. M. Olsen R. Hinton	Services	4 35
	Peleg Brown	Use of team	4
	Peleg Brown H. M. Caswell J. J. Veeder A. A. Bolles	Services	3
	J.J. Veeder	Services	4 3 15 9
	A. A. Bolles Brush Electric Light and Power Co. Brush Electric Co. of Baltimore	Carting Electric current	15
	Brush Electric Co. of Baltimore	do	15
1		Coal Electric light do do do do	15 15 82 9 2
	Brush Electrie Co. of Baltimore Columbia Water and Light Co Commercial Water and Light Co Minnesota International Electric Co	do	2
	Commercial Water and Light Co	do	1
	Minnesota International Electric Co	do	
	Simon Nusbaum, postmaster	Post-office box	1
	Minnesota International Electric Co. Raleigh Electric Co. Simon Nusbaum, postmaster M. W. Marrow, postmaster Isador Sobel, postmaster Galveston Gas Co. New Orleans Gaslight Co. Raleigh Gas Co. Milwaukee Gaslight Co. People's Gaslight and Coke Co. Nashville Gaslight Co. F. J. O'Dwyer D. Stormont J. M. Winslow H. L. Guion American Type Founders Co. Union Jee Co.	do Post-office box	10 4 1 2
	Isador Sobel, postmaster	do	
	New Orleans Gaslight Co	Gasdodo	8 19
	Raleigh Gas Co	do	10
	Milwaukee Gaslight Co.	do	. 15
1	Nashville Gaslight Co	do	· 15 8 12
	F.J.O'Dwyer	Gasoline	- 2.14
	D. Stormont	Poles	72
	H. I. Guion	Fostage stamps	2
	American Type Founders Co	Poles Postage stamps Use ground Type-	72 4 2 1
	American Type Founders Co Union fee Co Texas Lamp and Oil Co Burckhartt & Rice California Ink Co Southern Bell Telephone and Telegraph Co do	Ice Benzine	9
			. 1
	California Ink Co.	Ink	1 20
	Southern Beil Telephone and Telegraph Co	Telephone service	20.
	do	do	10.
	Southwestern Telegraph and Telephone	Paper Ink Telephone service do do do	12.
	Northwestern Telephone Exchange Codo. Smithfield Telephone Codo.	do	18. 18. 4.

Date.	Name.	Nature of payment.	Total.
1899.			210
Jan. 30	Alabama and Georgia Long Distance Tele- phone Co.	Telephone service	\$13.00
	phone Co. East Tennessee Telephone Co. Jackson & Rich Square Telephone Co. Miami Telephone Co. Nebraska Telephone Co. Iowa Telephone Co. Parr Telephone Co. Hudson River Telephone Co. Missouri and Kansas Telephone Co. Central District and Printing Telegraph Co.	do	15. 80 31. 60
	Miami Telephone Co	do	21.0
	Nebraska Telephone Co	do	64.7
	do	do	64. 7. 2. 60 4. 60
	Parr Telephone Co	do	6. 00 15. 00 51. 00
	Michigan Telephone Co	do	51.0
	Missouri and Kansas Telephone Co	do	9.0
	Central District and Printing Telegraph Co.	Telegraph service	9.0
	Co. Sunset Telephone and Telegraph Co Black Hills Telegraph and Telephone Co. Michigan Telephone Co. Raleigh Telephone Exchange Cleveland Telephone Co. New York Telephone Co. Pacific Telephone and Telegraph Co. Geo. W. Finch Philadelphia, Reading and Pottsville Telegraph Co.	Telephone service	15.0
	Black Hills Telegraph and Telephone Co.	do	21. 0 9. 0
	Raleigh Telephone Exchange	do	21. 0 9. 0 10. 0
	Cleveland Telephone Co	do	18.0 60.0
	Pacific Telephone and Telegraph Co	do	25. 5 2. 6
	Geo. W. Finch	Tolograph garries	2.60 8.4
	Jacksonville and St. Johns Bar Telegraph	do	7.7
	Line. Pittsboro and Moncure Telegraph Line	do	7.7
	Pittsboro and Moncure Telegraph Line Eastern R. R. Co. of Minnesota Fort Worth and Denver City Rwy. Co Chicago, Burlington and Northern R. R.	do	7.70 7.60 28.60
	Chicago Burlington and Northern B. R.	do	28.6
	Co.		
	New England Telephone and Telegraph Co.	do	2.80 2.50
	International Ocean Telegraph Co	do	154. 1
	Carolina Midland Rwy. Co	do	5.60 2.4
	American Type Founders Co	Type	31.6
	Julien P. Friez	Supplies	6.2
	Co. New England Telephone and Telegraph Co. do. International Ocean Telegraph Co. Carolina Midland Rwy. Co. Corvallis and Eastern R. R. Co. American Type Founders Co. Julien P. Friez. Washburn & Moen Manufacturing Co. Nathan Rhine Louis Wood J. I. Gethins. Boise Furniture Co. J. F. W. Dorman Co. Frieden wald Co.	Wire	16.5 3.5
	Louis Wood	Nail puller	2. 5 12. 4 11. 0 1. 5
	J.L. Gethins	Vardrobe etc	12.4
	Louis wood J. I. Gethins Boise Furniture Co J. F. W. Dorman Co Friedenwald Co Blakely Printing Co Bay roll, Wood's Hole, Mass Rosette L. Haly Buel Childester	Rubber stamps	1.5
	Friedenwald Co	Paper	209.0
31	Pay roll, Wood's Hole, Mass.	Paper Supplies Substation, salaries Services	3. 50 60. 0
	Rosette L. Haly	Services	37.5
	Felix Gomez	do	9. 0 63. 0 6. 0
	Maggie Hatt	do	6.0
	Jno. P. Church et al	Salaries printing office	90.4 2.554.6
, ,	W.F.R. Phillips et al	Salaries, climatology	2, 554. 6 266. 7 139. 7
eb. 1	Chas Cooper & Co	Anhydrous ammonia	139. 7. 5. 0
	The White, Corbin & Co	Envelopes	11. 8
	F. G. Grambs	Hammer, etc.	5.3
	Smith Premier Typewriter Co	Repairing typewriter	23. 8 3. 5
	J. S. Stahl & Co	Repairing caligraph	5.0
	Western Union Telegraph Co	Repairing telegraph line	5. 0 22. 2 155. 8
	B. W. Waggoner	Printing crop bulletin	1.50
	Stephen J. Scoville	Hauling.	6.0 19.5
	E. A. Hughes	Electric current	9.0
	Excelsior Electric Co	do	1. 03 15. 3
	Milwaukee Electric Rwy and Light Co	do	15.3
	Key West Electric Co	do	14.99 2.00 5.00
	Pay roll, Wood's Hole, Mass Rosette L Haly. Buel Chidester Felix Gomez Maggie Hatt Dacota Central Telephone Line Jno. P. Church et al W. F. R. Phillips et al The White, Corbin & Co Chas. Cooper & Co The White, Corbin & Co Chas. Cooper & Co The White, Corbin & Co P. G. Grambs W. P. Mills Smith Premier Typewriter Co J. S. Stahl & Co Pacific Telephone and Telegraph Co Western Union Telegraph Co B. W. Waggoner Stephen J. Scoville B. W. Waggoner E. A. Hughes Excelsior Electric Co Electric Light Co. of Atlantic City Milwaukee Electric Rwy and Light Co Key West Electric Co Merchants' and Manufacturers' Electric Light, Heat, and Power Co Thalmann Printing Ink Co D. A. Oliver T. G. Blaisdell	do	5.0
	Thalmann Printing Ink Co	Ink	. 40
	D. A. Oliver	Mirror	1.7 9.0
	D. A. Oliver T. G. Blaisdell Bismarck Water Supply Co J. H. Crawford Henry Bolton First National Bank, Portland, Me	waterdo	9.0
	J. H. Crawford	Ground rent	4. 00 52. 8
	Henry Bolton	Office rent	52.8

## $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,\ 1899-{\tt Cont'd.}$

Date.	Name.	Nature of payment.	Total.
1899.			
eb. 1	Peter Belcher, agent Geo. S. Waite A. Lone	Office rent	\$83.
	Geo. S. Waite	do	119.8 15.8
	A. Lone	Services	15.6
	W. M. Dorr D. D. Booze	do	10.0 30.0
	D. D. Booze	do	2.
	D. D. Booze D. Cosby E. R. Demain H. W. Grasse E. L. Douglas Pay roll, New York, N. Y Pay roll, Portland, Me Grand Trunk Rwy, System Pennsylvania Co Northern Central Rwy, Co Missouri Pacific Rwy, Co Louisville, Evansville and St. Louis Consolidated R. R.	do	2.4 1:
	E. R. Demain	Office expenses	2. 6 2. 7 3. 6
	H. W. Grasse	do	2.
	E. L. Douglas	Traveling expenses	3.
	Pay roll, New York, N. Y	Substation, salaries	65. 60.
	Grand Trunk Rwy System	Passangar transportation	1
	Pennsylvania Co	do	1. 58.
	Northern Central Rwy. Co	do	3.
	Missouri Pacific Rwy. Co	do	39. 8.
	Louisville, Evansville and St. Louis Con-	do	8.
	solidated R. R.		
	Maricopa, Phœnix and Salt River Valley	do	4.
	R. R. Co.	Melesson have size	0
	Jno. Clarke	Telegraph service	8.
	Jno. Clarke Little Northern Telegraph Co Winton Telegraph Co	do	12. 7. 6.
	J A Fox	do	6
	J.A. Fox New York and Pennsylvania Telephone	Telephone service	9.
	and Telegraph Co. Southern Bell Telephone and Telegraph		,
	Southern Bell Telephone and Telegraph	do	17.
	Co		
	East Tennessee Telephone Co	dodo	9. 15.
	Alabama and Georgia Long Distance Tele-	do	15.
	phone Co. Cumberland Telephone and Telegraph Co.	do	30.
	Parmen County Telephone and Telegraph Co.	do	50.
	Barron County Telephone Co	do	15. 2. 70.
2	Hoke Engraving Plate Co	Recoating plates	70
	do	do	84
	H. C. Hotfilter	Repairing clocks Repairing river gauge Drayage	2. 12. 1.
	J. H. Fuller	Repairing river gauge	12.
	Payne & Willingham	Drayage	1.
	D. R. Crosby	Service	b.
	Joseph Morse	Use of horse	1. 9.
	A. B. Dure & Co	Service and material	9. 8.
	W H Panaga	Use of team	2.
	L. Naggele & Sons	Printing report	25
	Hoke Engraving Plate CododoH.C. Hotfilter J. H. Fuller Payne & Willingham D. R. Crosby Joseph Morse A. B. Dure & CoAddressograph CoW. H. Renear L. Naegele & Sons Wisconsin Telephone CoSouthern Bell Telephone and Telegraph Co	Service Use of horse Service and material Supplies for printing office Use of team Printing report Telephone service	25. 18.
	Southern Bell Telephone and Telegraph	do	15.
	Co.		
	Richmond Chamber of Commerce	Office rent	145.
	Blake McFall Co	Paper	8.
	Frank Ridgway	Office expenses	2.
	Geo. S. Waldo.	do	10.
	I M Shorion	do	8. 2. 10. 2. 2. 6.
	Alex G McAdie	do	2.
	Richmond Chamber of Commerce Blake McFall Co Frank Ridgway Geo. S. Waldo Alex G. Burns. J. M. Sherier Alex, G. McAdie A. E. Hackett W. S. Currier H. B. Boyer E. H. Emery do Wayland Bailey Pay roll, Jacksonville, Ga Fred'k Springmann H. E. Overstreet Louisville, Evansville and St. Louis Consolidated R. R.	do	6.
	W.S. Currier	do	o.
	H. B. Boyer	do	9.
	E. H. Emery	do	· 7.
	do	do	· 2.
	Wayland Bailey	do	1.
	Pay roll, Jacksonville, Ga	Substation, salaries	80.
	Fred & Springmann	Transportation	18.
	Levisville Evensyille and St. Levis Con	do	
	colidated R. R.		
	Southern Pacific Co	do	7.
	Missouri, Kansas and Texas R.wv. Co	do	7.
	dodo	do	
	Vandalia Line	do	7.
	do	do	
3	E. B. Richards	Office expenses	21.
	R. L. Anderson	do	2.
	L. H. Murdock	Traveling expenses	25. 25. 2.
	T.S. Collins	do	2.
		()three expenses	
	J.P. Slaughter	Office expenses	
	J.P. Slaughter M. B. DeVane	do	
	Louisville, Evansville and St. Louis Consolidated R. R. Southern Pacific Co. Missouri, Kansas and Texas Rwy. Cododo. Vandalia Linedo E. B. Richards R. L. Anderson L. H. Murdock T. S. Collins J. P. Slaughter M. B. DeVane J. W. Smith Chas. S. von Herrmann R. J. Hyatt	do	2. 4.

ate.	Name.	Nature of payment.	Total,
899.			
b. 3	C. J. Oyler	Services	\$0.7
6	Payroll, Mobile, Ala	Substation, salaries. Traveling expenses. Transportation Supplies do do do Envelopes. do Maps Tube Liquid gum	81.0
0	Fred'k Springmann	Transportation	36.7 30.7
7	Hoke Engraving Plate Co	Supplies	27 8
	do	do	29.3 10.0 703.3
	Addressograph Co	do	10.0
	The White, Corbin & Co	Envelopes	703.3
	The Werner Co	Mans	326. 3
	Eimer & Amend	Tube	7.7 4.7
	Monarch Manufacturing Co	Liquid gum	189 0
	Wyckoff, Seamans & Benedict	Tube Liquid gum Repairing typewriter Erecting flagstaff Recoating plates do do Repairing telegraph line Laying carpet Electric light Type Stamps Paper	12. 4 12. 0 75. 0
	J. B. Lutterion	Precting nagstan	12.0
	Hoke Engraving Plate Co.	do	77.9
	do	do	77. 9 62. 5 10. 0
	Robt. A. Goffin	Repairing telegraph line	10.0
	Chas. Darden	Laying carpet	5.0
	Sandusky Electric Light Co	Electric light	12.4
	Emile Vione	Stowns	19. 5 1. 4
	E. C. Palmer & Co. Limited	Paper	8.0
	Ontario Telephone Co	Telephone service	8.0 7.5
	C. J. Oyler Pay roll, Mobile, Ala. Alvin T. Burrows Fred k Springmann. Hoke Engraving Plate Co. do Addressograph Co. The White, Corbin & Co The Werner Co. Eimer & Amend Monarch Manufacturing Co. Wyckoff, Seamans & Benedict J. B. Lutterloh. Hoke Engraving Plate Co. Hoke Engraving Plate Co. Hoke Engraving Plate Co. Sandusky Electric Light Co. The J. F. W. Dorman Co. Emile Kiene E. C. Palmer & Co., Limited Ontario Telephone Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Pay roll, New York, N. Y.	Paper Telephone service Passenger transportation	6.6
1	Pay roll, New York, N. Y		65.0
8	Milbridge and Cherryfield Telegraph Co.	Telegraph servicedo	15. 5 7. 5
	Louis Rwy. Co. Pay roll, New York, N. Y Milbridge and Cherryfield Telegraph Co. Jacksonville and St. Johns Bar Telegraph Line.	do	7.5
	J. T. Harper	do	18.8
	J. T. Harper Great Northwestern Telegraph Co. of	do	320.3
	(anada.	do	9.6
	graph Co.	do	9.0
	graph Co. Chicago, Burlington and Northern R. R.	do	3.1
	Co. Deseret Telegraph Co. Corvallis and Eastern R. R. Co. Carolina Midland Rwy. Co. Minneapolis, St. Paul and Sault Ste. Marie	do	107.8
	Corvallis and Eastern R. R. Co	do	2.6
	Carolina Midland Rwy. Co	do	2.6
	Rwy. Co.	do	20.5
	Enterprise Telegraph Co	do	7.8
	Fort Worth and Denver City Rwy, Co.	do	27.0
	Put in Bay Telegraph Co	do	27. 0 21. 1
	Ohio River Telephone Line	Telephone service	8.4
	Cumberland Welcark and Telephone Line	do	2.80
	Bell Telephone Co. of Buffalo	do	28.00
	Ohio River Telephone Line	do	4. 98 7. 80
	Aurora and Friendship Telephone Line	do	2.60
	J. M. Small	Services and materials	5.10
	Ed. Thurston, sr.	do	10.00
	Timothy Collins	Repairing telegraph line	20.00 6.00
	Rwy. Co. Enterprise Telegraph Co Enterprise Telegraph Co Port Worth and Denver City Rwy. Co. Put in Bay Telegraph Co Ohio River Telephone Line Aurora and Friendship Telephone Line Cumberland Telephone and Telegraph Co. Bell Telephone Co. of Buffalo. Ohio River Telephone Line Aurora and Friendship Telephone Line J. M. Small Ed. Thurston, sr. Martin Lawson. Timothy Collins J. H. March D. C. Kelley Ed. Drinkwater F. M. Long. T. H. Brigg & Sons The J. F. W. Dorman Co.  do Barnhart Bros. & Spindler Almens Electrical Light Co. Almens Electrical Light Co. Almens Electrical Light Co. Almens Electrical Light Co.	Laying carpet, etc	3.6
	D. C. Kelley	do	4.0
	Ed. Drinkwater	Repairing telegraph line	6. 2
	T H Brigg & Cone	Services	4.50
	The J. F. W. Dorman Co.	Rubber stamps	2.80 5.5
	do	do	1.3
	Barnhart Bros. & Spindler	Supplies	4.17
	Barnhart Bros. & Spindler Alpena Electric Light Co	Electric light	4.1° 6.00
	W. H. Gussie	Gas	11 46
	Illinois Control P. P. C.	Passenger transportation	5. 20 9. 10
	Pennsylvania R. R. Co	do	9. 10 14. 50
	Missouri Pacific Rwy. Co	do	7.50
	Louisville and Nashville R. R. Co	do	10.00
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	10.00 6.00
	do Barnhart Bros. & Spindler Alpena Electric Light Co. W. H. Gussie St. Louis and San Francisco R. R. Co. Illinois Central R. R. Co. Pennsylvania R. R. Co. Missouri Pacific Rwy. Co. Louisville and Nashville R. R. Co. Cincinnati, Hamilton and Dayton Rwy. Co. Kanasa City, St. Joseph and Council Bluffs R. R. Co. Central Vermont R. R. H. E. Wadsworth	do	4.0
	Central Vermont B. B	do	3.5
	H. E. Wadsworth	Telegraph service	73.48
	Baltimore and Ohio R. R.	Passenger transportation	35.00
9	F. A. Carpenter	Office expenses	. 50
ð	Onic D 3		
θ	Central Vermont R. R H. E. Wadsworth Baltimore and Ohio R. R F. A. Carpenter Orin Parker J. B. Marbury W. M. Dudley	do	10.3 8.5

ate.	Name.	Nature of payment.	Total.
899.			
'eb. 9	F. H. Brandenberg	Office expenses Traveling expenses do do	\$1.
	A. J. Davis Geo. E. Lawton	Traveling expenses	6. 22.
	Geo. E. Lawton	do	22.
10	American Type Foundars' Co	Type	15.
10	do	Type Supplies for printing office Wooden block do	49. 7.
	T. A. Slattery	Wooden block	':
	White Hardware Co	do	1.
	W. P. Mills	Rug, etc	13. 199.
	Hall, Headington & Co	Carpet	199.
	J.P. Freiz	Carpet Anemometers Ink, mucilage, etc. Publications Coal Cord wood	675
	T. W. Ruete	Ink, mucilage, etc	6. 23. 35.
	"Science"	Publications	75.
	Chas Williams	Cord wood	40.
	Elkins Furniture and Hardware Co	Furniture	49.
	P. H. Cheney & Son	FurnitureElectric light	4.
	Consolidated Electric Light Co. of Maine	do	10.
	Eastern Rwy. Co	Telegraph service	2. 7.
	Southern Bell Telephone and Telegraph Co	do	7.
	Northern Telegraph Co	do	15.
	A. J. Davis Geo. E. Lawton L. A. Denson American Type Founders' Co do T. A. Slattery White Hardware Co W. P. Mills Hall, Headington & Co. J. P. Freiz T. W. Ruete "Science" Ed. de Groff Chas. Williams Elkins Furniture and Hardware Co P. H. Cheney & Son Consolidated Electric Light Co. of Maine Eastern Rwy. Co Southern Bell Telephone and Telegraph Co Northern Telegraph Co. Sunset Telephone and Telegraph Co Empire State Telephone and Telegraph Co Stunton Mutual Telegraph Co Staunton Mutual Telegraph Co W. H. Holmes Cumberland Telephone and Telegraph Co W. H. Holmes	Telegraph service	15. 15.
	Michigan Telephone Co	do	15. 56.
	Staunton Mutual Telegraph Co	do	37.
	W. H. Holmes	do	6.
	W. H. Holmes Cumberland Telephone and Telegraph Co.	do	6. 128.
	do	do	. 92
	Bell Telephone Co. of Missouri	do do	16.
	New England Telephone and Telegraph Co	do	16. 12. 7.
	Southern Bell Telephone and Telegraph Co	Services and material	7.00
	do Bell Telephone Co. of Missouri New England Telephone and Telegraph Co Southern Bell Telephone and Telegraph Co Walter Scott & Co Frank R. May Jas. Barr The Courier Co. Da Costa Printing Co. E. M. Bowman Pacific Express Co Omaha and St. Louis R. R. Co Vicksburg, Shreveport and Pacific R. R. Co Union Pacific R. R. Co Union Pacific R. R. Co Denver, Leadville and Gunnison Rwy. Co Oregon Short Line R. R. Co	Services and material	169.
	Frank K. May	Davoira to florate ff	160. 10.
	The Courier Co	Receting rollers	1.
	Da Costa Printing Co	services and material. do Repairs to flagstaff Recasting rollers. Printing Crop Bulletins Drayage Transportation Passenger transportation do do	20.
	E. M. Bowman	Dravage	1.
	Pacific Express Co	Transportation	6.
	Omaha and St. Louis R. R. Co	Passenger transportation	11.
	Vicksburg, Shreveport and Pacific R. R. Co.	do	5. 23.
	Missouri, Kansas & Texas Rwy. Co	do	23. 34.
	Danyon Loodwillo and Cunnigan Pwy Co	do	94. 8
	Oregon Short Line R. R. Co.	do	6. 13.
	Chicago, Burlington and Northern R. R. Co	do	9.
	Oregon Short Line R. R. Co Chicago, Burlington and Northern R. R. Co Chicago. Indianapolis and Louisville Rwy.	do	8.
	Co.	-	
17	Fred'k Springmann. The Maurice Joyce Engraving Co	Transportation	19.
18	The Maurice Joyce Engraving Co	Electrotype plates for printing	3.
		office.	00
	do	Electrotypes	98. 9.
	do Geo. F. Muth & Co	Turnentine	19.
	do	Ink. oil. etc	23.
	W. C. Newton & Co	Brass rule for printing office	8
	do W. C. Newton & Co W. B. Moses & Sons Jas. B. Lambie	omce. Logotypes Electrotype plates Turpentine Ink, oil, etc Brass rule for printing office Rugs Excelsior, etc	75.
	Jas. B. Lambie  do do do Wyckoff, Seamans & Benedict R. Carter Ballantyne J. E. Turton J. R. Buckelew M. G. Copeland & Co J. E. Entwistle Mackall Bros Jno. C. Parker do do do do do	Rugs Excelsior, etc Belt lacing for printing office Repairs to typewriter Files Supports Paper Flags Engraving chart Matches Paper do	75. 39. 1.
	do	Belt lacing for printing office	1.
	Wyckoff, Seamans & Benedict	Repairs to typewriter	6.
	R. Carter Ballantyne.	Files	. 54.
	J. E. Turton	Supports	236. 22.
	M G Copeland & Co	Flage	306
	J. E. Entwistle	Engraving chart	500.
	Mackall Bros	Matches	17.
	Jno. C. Parker	Paper	5. 17. 1, 102.
	do	do	93. 25.
	do	do	25.
	do	Pads	. 31.
	T. C. Engood Co	Paper	57.
	J. C. Ergood Co	Sanolio	57. 50. 10.
	F P May & Co	Files	9.
20	Western Union Telegraph Co	Faus Paper Soap Sapolio Files Telegraph service. Casting rollers	12, 415.
20	Elsie Roller Composition Co	Casting rollers	2.
	do do J. C. Ergood Co do F. P. May & Co Western Union Telegraph Co Elsie Roller Composition Co H. L. Pittock Hoke Engraving Plate Co do W. M. Randall	Oil	2. 1.
	Hoke Engraving Plate Co	Oil "Gravers," etc. Recoating plates	4.
	do	Recoating plates	26. 12.
	3.	do	19

te.	Name.	Nature of payment.	Total.
99.			
20	W. R. Eckert American Type Founders Codododododododododododododododecodecodododododododododecodo	Instrumental equipment	\$15. 20. 27. 86. 33.
	American Type Founders Co	Type, printing office Carpets, etc. Lithographic ink	20.
	Hall Headington & Co	Carnets etc	86
	Geo. Meier & Co.	Lithographic ink.	33.
	Seth Thomas Clock Co	Clocks	73.
	J. H. Bunnell & Co	Supplies	76.
	Pacific States Type Foundry	Brass rule	4.
	E. C. Palmer & Co. Limited	Type etc	1.
	D. M. Blair	Services	4.
	A. L. Foster	do	10.
	Jno. M. Rutherford	do	10.
	H. A. Poole	Use of team	10.
	Fred Albright	Use of horse	10. 4.
	E E Maybew & Co	Renairs to telegraph line	4.
	Pacific Telephone and Telegraph Co	Telephone service	4.
	Alabama, Mississippi and Tennessee Tele-	do	12.
	phone Co.		
	New York Union Telegraph Co	Telegraph service.	7. 7. 10.
	Chesterneld Telephone and Telegraph Co.	Office expenses	10
	Roht G Allen	do	2.
	O. D. Stewart	do	12.
	Geo. P. Wurtz	do	7. 1.
	Eliza L. Renoe	do	7.
	F. P. Chaffee	do	1.
	E. L. Douglas	Traveling expenses	2. 6.
	Goo E Grimes	do	10.
	B. G. Coffin	Services	9.
	W. H. Childs	do	1.
	D. F. Webber	do	1.
	F. E. Boston	do	1.
	D. F. Thompson	do	1.
	Oregon R R and Navigation Co	Passenger transportation	4. 6.
	Chicago, Burlington and Quincy B. R. Co	do	11.
	Missouri, Kansas and Texas Rwy. Co	do	23.
	Lake Shore and Michigan Southern Rwy.	do	23. 12.
	Co.	-	00
21	Co. St. Louis and San Francisco R. R. Co. Geo. L. Ferrin L. A. Denson L. H. Daingerfield S. M. Blandford Edwd. L. Wells Bell Telephone Co. of Buffalo. International Ocean Telegraph Co. Philadelphia, Reading and Pottsville Telegraph Co.	Office expenses	38.
ώI	L. A Denson	do	3. 4.
	L. H. Daingerfield	do	1.
	S. M. Blandford	do	1.
	Edwd. L. Wells	Traveling expenses	14.
	Bell Telephone Co. of Buffalo	Telephone service	1.
	Philadelphia Reading and Potterille Tole	Telegraph service	153. 9.
	graph Co.		9.
23	graph Co. St. Louis, Keokuk and Northwestern R. R.	Passenger transportation	5.
	Co.		
	Atchison, Topeka and Santa Fé Rwy. Co	do	28.
	Administration of the American Type Founders Co.  American Type Founders Co.  E. D. Beattie  G. W. Albright  Fred Albright  Corvallis and Eastern R. R. Co.  Alabama and Georgia Long Distance Telephone Co.	do Type Printing report Repairing telegraph line Use of horse Telegraph service Telephone service	10.
	E. D. Beattie	Printing report	14. 36.
	G. W. Albright	Repairing telegraph line	2.
	Fred Albright	Use of horse	5.
	Corvallis and Eastern R. R. Co	Telegraph service	2. 15.
	Alabama and Georgia Long Distance Tele-	Telephone service	15.
	phone Co.	Traveling expenses	11
	G. H. Noves	do	11. 8.
	H. E. Smith	Traveling expensesdo	6.
	W.J. Reed	do	1.
0.4	Wayland Bailey	do	1.
24 25	Pudelph West & Co	do	3.
NU	do do	Pitcher and how!	9.
	J. E. Turton	do do Brass screws Pitcher and bowl Instrument shelters Supplies for stations	18. 70.
	Wm. Ballantyne & Sons.	Supplies for stations	88
	Fred A. Schmidt	Crayons	2. 32.
	Easton & Rupp	Mucilage	32.
	Postal Telegraph Cable Co	Telegraph service	49.
	phone Co. Jno. F. Nichols (4. H. Noyes H. E. Smith W. J. Reed Wayland Bailey L. H. Murdoch Rudolph, West & Co. J. E. Turton Wm. Ballantyne & Sons Fred A. Schmidt Easton & Rupp Postal Telegraph Cable Co United States Express Co Southern Rwy. Co W. H. Butler W. B. Moses & Sons	Supplies for stations. Crayons. Mucilage. Telegraph service. Transportation Passenger transportation Supplies. Linoleum	49.
	W II Deet	Passenger transportation	22. 27.

1899. Feb. 25			
Feb. 25			
	Standard Oil Co	Benzine for printing office	\$4.59
	Jas. B. Lambie Willard Fracker Belt & Dyer	Halyards Supplies for printing office Frames	12.00
	Willard Fracker	Supplies for printing office	10.61 9.60
		C	1.80
	The Maurice Joyce Engraving Codo. Geo. F. Muth & Co	Frames Sawdust Electrotypes platesdo	65. 78
	do-	do	21.30
	Geo. F. Muth & Co	Beeswax Wire fuse holders	1.50
	M. Du Perow	Wire fuse holders	. 90
	do E.F. Tilden do W.C. Newton & Co do H.E. Overstreet do	Glass jars	16.00
	E. F. Tilden	Type	66.80
	TV C N	Pads	45.00
	w.C. Newton & Co	Type	10.94 25.68
27	H E Overetreet	Transportation	. 34
21	do	do	.54
	do	do	. 26
	Mobile and Birmingham R. R. Co	do	1.04
	Mobile and Ohio R. R. Co	do	. 93
	Illinois Central R. R. Co	do	. 62
	do	do	. 62 1. 47
	Texas Pacific Rwy. Co	do	18.77 7.10
	do	do	7. 10
	do do Mobile and Birmingham R. R. Co. Mobile and Ohio R. R. Co. Illinois Central R. R. Co. do Texas Pacific Rwy. Co. do Burlington and Missouri River R. R. in	do	1.42
	Nebraska.	do	17 50
	Nebraska.  do  do  do  do  soluthern Pacific Co. Vandalia Line Wabash R. R. Co Star Union Line San Antonio and Aransas Pass Rwy Seattle and Neah Bay Transportation Co St. Louis and San Francisco R. R. Co Missouri Pacific Rwy. Co International Steamship Co C. M. Olsen W. F. R. Phillips et al John P. Church et al Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co Jno P. Nawrath	do	17.50 16.34
	Baltimore and Ohio Southwestern Rwy Co.	do	2 99
	do	do	10.72
	do	do	19.75
	Southern Pacific Co	do	2.99 10.72 19.75 1.00
	Vandalia Line	do	. 98
	Wabash R. R. Co	do	
	Star Union Line	do	3. 24 . 75 3. 28 5. 75 2. 21
	San Antonio and Aransas Pass Rwy	do	. 75
	Seattle and Neah Bay Transportation Co.	do	3.28
	St. Louis and San Francisco K. R. Co	00	9.70
	International Steamahin Co	do	1.94
	C M Olean	do	3.78
28	W F R. Phillips et al	Salaries climatology	246.60
	John P. Church et al	Salaries, printing office	246.60 2,519.75
Mar. 1	Cleveland, Cincinnati, Chicago and St.	Passenger transportation	15.00
	Louis Rwy. Co.		00 **
	John S Mayrath Johnson & Johnson Ithaca Rubber Stamp Works. W. F. & Jno. Barnes Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Twine Coal and wood	38.55
	Johnson & Johnson		11.50
	W F & Inc Bornes Co	Saw blades	3.60 6.44
	Minneapolic St Paul and Sault Ste Marie	Stamps Saw blades Telegraph service	1.41
	Rwy Co.	No. of the second secon	1. 11
	do	do	14.66
	T. E. Howe & Co Philadelphia Electrical Equipment Co.,	Oil, etcRepairs and motor	. 75 6. 85
	Philadelphia Electrical Equipment Co.,	Repairs and motor	6.85
	Nell Ferguson Carlyle & Shott F. L. Thompson L. E Stone C.S. Braisted Willis L. Moore	Drayage Erection of instrument shelters.	1.50
	Carlyle & Shott	Berging to telegraph line	8.50 10.00
	T. F. Stope	Repairs to telegraph line	
	C S Resisted	Penholders	10.50 18.48
2	Willis L. Moore	Penholders Traveling expenses	18.48 13.50
~	do	dodo	61, 17
3	do Forsberg & Murray	Services	6.00
	S. P. Johnson	Typewriters	$6.00 \\ 184.50$
	Norfolk and Washington Steamboat Co	Transportation	2.01 21.50
	United States Express Co	do	21.50
	Louisville and Nashville R. R. Co	do	2.61 4.55
	Missouri, Kansas and Texas Rwy. Co	do	4. 55
	Boston and Albany R. R. Co	00	4.61
	Santa re, Prescott and Phoenix Kwy. Co	do	12.56
	Lake Shore and Michigan Southern Pour	do	2.28 .37
	Forsberg & Murray. S. P. Johnson Norfolk and Washington Steamboat Co- United States Express Co Louisville and Nashville R. R. Co Missouri, Kansas and Texas Rwy. Co Boston and Albany R. R. Co Santa Fé, Prescott and Phœnix Rwy. Co. Southern Pacific Co Lake Shore and Michigan Southern Rwy. Co.	dV	. 91
	Sayannah Florida and Western Rwy Co	do.	14.22
	Darannan, riorida and western itwy. Co	do	20.90
	Atchison Toneka and Santa Fé Rwy Co		
4	Atchison, Topeka and Santa Fé Rwy. Co Chas. Carter	Cleaning Weather Bureau man	6.39
4	Savannah, Florida and Western Rwy. Co Atchison, Topeka and Santa Fé Rwy. Co Chas. Carter		6.39
4		at House of Representatives.	6.39
4	Atchison, Topeka and Santa Fé Rwy. Co. Chas. Carter  Beverly Hudnell T. B. Lamb & Co. Claude L. Friel		6.39

Date.	Name.	Nature of payment.	Total.
1899. 1ar. 6	Edwin Krogh	Repairing telegraph line	\$19.00
	Edwin Krogh Jno. McLarty W. A. Richardson J. E. Miller	do	25.00 25.00 1.50
	W. A. Richardson	dododo Cleaning clock Scales Stovepipe, etc. Office expenses Substation, salaries Office expenses	25.00
•	J. E. Miller	Cleaning clock	1. 50
	T T Ralch	Stovenine etc	18 75
	Eliz. L. Renoe	Office expenses	3.00
8	J. E. Miller Jas. M. Byrnes T. T. Balch Eliz. L. Renoe Pay roll, Alpena, Mich L. A. Denson L. G. Schultz Geo. Reeder Albert Ashenberger Leon J. Guthrie Roscoe Nunn J. D. Blagden N. R. Taylor	Substation, salaries	2.50 18.75 3.00 58.07
	L. A. Denson	Office expenses	2.65
	Geo Reeder	do	2. 65 15. 00 5. 50
	Albert Ashenberger	do	1.00
	Leon J. Guthrie	Traveling expenses	1.00 12.25
	Roscoe Nunn	do	6, 62
	N R Taylor	do	14.45 12.00
	Danl. J. Herndon	do	6.50
	J. W. Halford	do	6.50 42.75
9	Hall, Headington & Co	Carpet	50.61
	I. A Royal	Services and material	18.00
	Hoke Engraving Plate Co	Recoating plates	18.00 1.00 52.60
	do	do	83.90
	do	do	83. 90 25. 00 50. 00 52. 97
	do	Supplies	50.00
	J. D. Blagden N. R. Taylor Dani J. Herndon J. W. Halford Hall, Headington & Co. Thos. H. Lawrence L. A. Royal Hoke Engraving Plate Co. do do do The J. F. W. Dorman Co. do Crotty Bros Central of Georgia Rwy. Co. Baltimore and Ohio R. R. Co. St. Louis and San Francisco R. R. Co.	Rubber stamps	19.44
	do	do	4.32
	Crotty Bros	Ink, etc	4.32 6.56
	Central of Georgia Rwy. Co	Passenger transportation	5.73 7.95 7.10 6.85
	St. Louis and San Francisco R. R. Co.	do do Office expenses Traveling expenses Telegraph services	7 10
	St. Louis and San Francisco R. R. Co R. F. Young W. H. Monroe Milbridge and Cherryfield Telegraph Co. Jacksonville and St. Johns Bar Telegraph	Office expenses.	6.85
	W. H. Monroe	Traveling expenses	2.00
	Milbridge and Cherryfield Telegraph Co	Telegraph services	1.90
	Line.	do	8.50
	Line. Isle of Wight Telephone and Telegraph Co- Isle of Wight Telephone and Telegraph Co- Isle L. Renoe. S. C. Emery W. G. Burns A. Lone Southern Rwy. Co Norfolk and Washington Steamboat Co Oregon Short Line R. R. Co Colorado Midland Rwy. Co Illinois Central R. R. Co Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Kansas City, Pittsburg and Gulf Rwy. Co	do	5.00
10	Eliz. L. Renoe	Office expenses	3.50 3.50
	S. C. Emery	do	3.50
	A. Lone	Services	3.25 10.00
16	Southern Rwy. Co	Passenger transportation	17.50 3.00
	Norfolk and Washington Steamboat Co	do	
	Coloredo Midland Para Co	do	23. 95 9. 00
	Illinois Central R. R. Co	do	13 90
	Chicago, St. Paul, Minneapolis and Omaha	do	13.90 16.90
	Rwy. Co.		10.00
	Kansas City, Pittsburg and Gulf Rwy. Co- Southern Railway Co- Kansas City, Fort Scott and Memphis R. R.	00	16.80 27.50 24.05
	Kansas City, Fort Scott and Memphis R. R.	do	24.05
	Pay roll, New York, N. Y	Substation, salaries	65.00
	Ohio River Telephone Line	do	2.60 7.80
	Pay roll, New York, N. Y Aurora and Friendship Telephone Line Ohio River Telephone Line Alabama and Georgia Long Distance Tele-	do	14.40
	Alagama and Georgia Long Distance Telephone Co. Alabama, Mississippi and Tennessee Telephone Co. Iowa Telephone Co. South Western Telephone and Telegraph Co.	_	
	Alabama, Mississippi and Tennessee Tele-	do	6.75
	Iowa Telephone Co	do	2.60
	South Western Telephone and Telegraph	do	2.60 6.00
	Co.		
	Postal Telegraph-Cable Co	Telegraph service	183.28
	do	do	194.66 193.15
	do	do	197.77
	Fort Worth and Denver City Rwy. Co	do	197.77 27.00 2.91
	International Ocean Tolograph Co.	do	2.91 193.35
	L.B. Britt	Services	1400
	F. L. Thompson	do	14.00 20.00 15.00
	Robt. C. Butler	do	15.00
	D. M. Millor	do	.1.00
	Co. Postal Telegraph-Cable Co do do do Colegraph Colegraph Colegraph Fort Worth and Denver City Rwy. Co Chicago, Burlington and Northern R. R. Co International Ocean Telegraph Co L. B. Britt F. L. Thompson Robt. C. Butler Fredk. Bell D. M. Miller E. E. Peterson H. Clarkson Lexington Transfer Co. A. B. Alter S. Spritz	Use of team	$\frac{4.00}{10.00}$
	H. Clarkson	Repairing telegraph line	4.00
	Lexington Transfer Co	Drayage	4.00
	S. Spritz	Removing mud	1.00
	. ~. ~ P-104	Oleaning Clock	1.50

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 $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1899} - \textbf{Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
899.			
ir. 16	Henry A. Poole Frank Crippen E. E. Peterson Victor E. Swansen W. R. Bunyard Thos. H. Smith Robt. McAleer Little Rock Edison Electric Light and	Use of team Repairing telegraph line	\$15.
	Frank Crippen	Repairing telegraph line	5. 15. 2.
Î	E. E. Peterson	Use of team	15.
	Victor E. Swansen	Use of team Cleaning clock Packing instrument shelters Repairing motor Services and material	2.
	W. R. Bunyard	Packing instrument shelters	1.
	Thos. H. Smith	Repairing motor	30. 6.
	Robt. McAleer	Services and material	6.
	Little Rock Edison Electric Light and	do	11.
	Little Rock Edison Electric Light and Power Co. H. A. Carroll & Co. Isaac Vogan American Type Founders' Co. California Ink Co. Yates & Co. The Okonite Co., Limited Julien P. Friez.		
-	H. A. Carroll & Co	Repairs to bookcase	1.
	Isaac Vogan	Repairs to telegraph line	10.
	American Type Founders' Co	Supplies	. 3.
	California Ink Co	do	4. 1.
1	Yates & Co	Benzine	1.
	The Okonite Co., Limited	Copper wire	99. 8. 170. 17.
	Julien P. Friez	Supplies	8.
	do	Thermograph bulbs	170
	do	Brass castings, etc	17
	C. W. Percy	Supplies	
	C. W. Percy E. J. Brooks & Co Geo. Meier & Co	Logotype	110
	Poton Grov	Repairs to telegraph line Supplies do Copper wire Supplies Thermograph bulbs Brass castings, etc Supplies Logotype Supplies Lanterns Brass rule Maps	10 39
	F R Romy	Pugg rulo	39
	The Post Office Department	Mens	3 7 8 67
	F. A. Schmidt	Maps	0
	F A Schmidt	Magazina etieka ete	87
	F. A. Schmot Broderick Bros Bingham & Runge Pounsford Stationery Co. The Werner Co Chadwick Copying Book Co Smith Pettit Standard Oil Co Duff Dodson	Rage	14
	Ringham & Punga	Drinting vollage	14
1	Pounsford Stationery Co	Ink	2
	The Werner Co	Maps	56
1	Chadwick Conving Book Co	Conving books	69
	Smith Pettit	Copying books River gauges	69 419
	Standard Oil Co		18 18 7
Î	Duff Dodson	Type	18
	Marquette City Light and Power Co	Electric light	7
17	Hoke Engraving Plate Co	Recoating plates	41
	American Type Founders' Co	Type	24
1	Standard Oil Co Duff Dodson Marquette City Light and Power Co Hoke Engraving Plate Co American Type Founders' Co do J. H. Thiemeyer R. G. Cook C. O. Barrows C. H. Farley Sharp & Kearns H. C. Hansen John Creswell do	Electric light Recoating plates Type Type, printing office Boxes Services and materials	18
1	J. H. Thiemever	Boxes	18 80
	R. G. Cook	Services and materials	9
- 1	C.O. Barrows		4
	C. H. Farley	Glass Copper trays	2
	Sharp & Kearns	Copper trays	2 4
	H. C. Hansen	Logotypes	40
	John Creswell	Supplies	1
	do	Copper trays Logotypes Supplies Printing material Brass rule Electrotype plates do Supplies	9
	E. C. Palmer & Co., Limited	Brass rule	3
18	The Maurice Joyce Engraving Co	Electrotype plates	21 45
	do	do	45
	W.C. Newton & Co	Supplies	1
	John Creswell do E. C. Palmer & Co., Limited The Maurice Joyce Engraving Co. do. W. C. Newton & Co. do.	Type	40
	do do	Supplies	38
	do	do	38 8 13
	do	Type Supplies do do	13
	do		25 19
	dodo	Supplies, printing office Type Supplies, printing office	19
		Type	23 · 7
	do	Supplies, printing office	. 7
	Godo Godo Easton & Rupp Jas. B. Lambie Rudolph, West & Co Geo. F. Muth & Co Jno. C. Parker	Supplies, printing office Linoleum Paper, ink, etc Supplies Nails, screw-driver, etc Plate glass Ink, etc Paper, printing office Cardboard Typewriter Flour Tacks Iron frames	111
	Laston & Rupp	Cumpling	111
	Pudelph West & Co	Noila general driver of	111 6 37
	Coo F Muth & Co	Plate glass	4
	Ino C Poulson	Inly etc	35
	Jno. C. Parkerdo	Paper printing office	60
	do	Cardboard	600
	I P Buckslow	Typowriter	62 600 94
	The I C Ergood Co	Flour	1
	Louis Hartis	Tacks	1
	The Somerville & Sone	Iron frames	. 7
	Rolt & Dror	Sawdust	1
	F R Roshan	Sawdust Office expenses	9
	W H Hammon	do	2
	P. M. Handingo	do	1 2 2 1
	Goo F you Ostormann	Treveling expenses	9
	Geo.r. von Ostermann	Unmitune	85
×	W B Mosos & Sons		
`	W. B. Moses & Sons	Paneils	41
`	do do J. R. Buckelew The J. C. Ergood Co Louis Hartig Thos. Somerville & Sons Belt & Dyer F. R. Beahan W. H. Hammon R. M. Hardinge Geo. F. von Ostermann W. B. Moses & Sons R. C. Ballantyne F. P. May & Co Philadelphia, Reading and Pottsville Telegraph Co.	omce expenses do do do do Traveling expenses Furniture Pencils Rules Telegraph service.	85. 41. 2. 9.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 20	Corvallis and Eastern R. R. Co	Telegraph service	\$2.30 5.73
	phone Co.	Telephone service:	
	phone Co. J. P. Fallihee L. G. Schultz	Office expenses	1.20
	L.G. Schultz	Traveling expenses	3. 25
	L. G. Schultz. Choctaw, Oklahoma and Gulf R. R. Co. Choctaw and Memphis R. R. Co. R. Hinton Thos. J. Tillett R. B. Merrill Mutual Ice Delivery Co. Geo. L. Caldwell Daggett Printing Co. E. D. Beattie D. Stormont L. E. Stone	Omce expenses Traveling expenses Passenger transportationdo Lining for carpet Oil Icedo Coal Binding mans	5. 58 6. 00
	B. Hinton	Lining for carpet	2.00
	Thos. J. Tillett.	Oil	3.00
	R. B. Merrill	Ice	2.50 3.00
	Mutual Ice Delivery Co	do	3.00
	Degreett Printing Co	Rinding mane	12.50 3.00
	E. D. Beattie	Binding maps Printing Crop Report Repairing telegraph line	36.00
	D.Stormont	Repairing telegraph line	2.00
	L. E. Stone	do	24.50
	L. E. Stone Western Union Telegraph Co Wykoff, Seamans & Benedict Eimer & Amend J. G. Biddle National Automatic Fire Alarm Co. of	do	38. 50
	Wykon, Seamans & Benedict	Supplies	9.00 1.30
	J. G. Biddle	Map circling machines	12.60
	National Automatic Fire Alarm Co. of	Battery jars	.90
	Reading Paper Mill	Paper	75.00
21	Reading Paper Mill Jno. W. Graham Atlantic Coast R. R. Co. of South Caro-	Paper Ink, mucilage. Transportation	6.30 4.00
W.T.	lina.		4.00
	Jno. T. Myers W. E. Donaldson	Services	11.29
	W. E. Donaldson	Traveling expenses	11. 29 29. 72
	A. G. McAdie	Office expensesdo	1.66
	A. G. McAdie C. W. Ling H. E. Wilkinson St. Louis, Keokuk and Northwestern R. R.	do	1.50 1.50
	St. Louis, Keokuk and Northwestern R. R.	Transportation	. 27
	Co. Cape Fear and Yadkin Valley Rwy. Co. Plant Steamship Line Baltimore and Ohio Southwestern Rwy. Co. International and Great Northern R. R. Co. do	do	3. 92 3. 11
	Plant Steamship Line	do	3. 11
	International and Great Northern P. P. Co.	do	. 81 1. 86
	do	do	11 21
	St. Louis Southwestern Rwy. Co. Toledo, St. Louis and Kansas City Rwy. Co. Wabash R. R. Co. Astoria and Columbia River R. R. Co. O. New York Central and Hudson River R. R.	do	11.21 8.52
	Toledo, St. Louis and Kansas City Rwy. Co.	do	. 93
	Wabash R. R. Co	do	6. 22 . 75
	Astoria and Columbia River R. R. Co	do	. 50
	New York Central and Hudson River R. R.	. do	1.57
	Co.		1.00
	Star Union Line	do	2.99
	Louisville and Nashville R. R. Co	do	21.90
	Reltimore and Ohio P. P. Co.	do	8.36
	do	do	1.29
	do	do	1.66
	do	do	4.74
	Cleveland, Cincinnati, Chicago and St.	do	. 30
	Western Union Telegraph Co	Tolograph sarvice	3,086.84
	do	do	10 010 ~1
	do	do	13, 442, 80 2, 70 2, 50
	Eastern Rwy. Co. of Minnesota	do	2.70
	Co. Star Union Line Louisville and Nashville R. R. Co Seattle and Neah Bay Transportation Co. Saltimore and Ohio R. R. Co. do. do. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Western Union Telegraph Co. do Eastern Rwy. Co. of Minnesota. do. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	2.50
	Rwy. Co.		16.46
	Jacksonville and St. Johns Bar Telegraph	do	7.25
	Line.		
	Chicago. Burlington and Northern R. R. Co	do	3.04
i	Postal Telegraph Cable Co.	do	4.40
	N. B. Bradley et al	Telephone service	. 80 18. 00
	American Bell Telephone Co.	Telephone rental	28.30
	Broderick Bros.	Rags	14.00
	E. Morrison Paper Co.	Ink	11.08
	Line. Chicago. Burlington and Northern R. R. Co Isle of Wight Telephone and Telegraph Co. Postal Telegraph-Cable Co N. B. Bradley et al American Bell Telephone Co. Broderick Bros. E. Morrison Paper Co. Citizens' General Electric Co. M. Feigle & Bro Olof Alberts	Electric current. Gum arabic Services.	15.00
	Olof Alberts	Services	5.00 10.00
	S. M. Carter Drug Co.	Oil	1.00
	Olof Alberts S.M. Carter Drug Co Claude M. Friel Chas. W. Pugh H.A. Shuga	Printing report	6.00
23	Chas. W. Pugh	Printing reportdo	6.00 52.00
			2.50
	E. Krogh Hoke Engraving Plate Co Fredk. Springmann	Services	8.00 65.00
	Tiest Ing I lave Co	Transportation	8.97

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# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 23	C. K. Judson	Pens	\$100.6
	C. K. Judson M. Du Perow do	Batteries, etc Switchboard	991. 5 4. 8 494. 9
	Julien P. Friez.  Hoke Engraving Plate Co. Newman Spranley Co., Limited. R. G. Cook.  Thayer & Jackson Stationery Co. T. E. Howes & Co. Pater Crey.	Supplies	494.9
20	Hoke Engraving Plate Co	Supplies and services Erecting river bulletin board	18.4
29	R G Cook	Execting river bulletin board	1.2 35.0
	Thaver & Jackson Stationery Co	Twine, etc	19.
	T. E. Howes & Co	Oil cans	1.0
01	Peter Gray W. F. R. Phillips et al	Oil cans Burners for lanterns Salaries, Climatology	5.0
31	J. P. Church et al	Salaries, Climatology	266. 8 2, 776. 8
	Total third quarter	0.00	100,040.4
Apr. 1	A.J. Knight	Office rent	79.4
	Peter Sonna	do	75.0 120.0
	R. McLaughlin	do	150.0
	T. M. Jeffris & Co	do	100.0
	E. S. Hugnes & Co.	do	106. 1 83. 8
	A. C. Rackliffe	do	75.
	Ella W. Daniels	do	75.
	Benj. M. Jacobs	do	75.0 15.0 67.
	Walla Walla Lodge No 56 LOOF	do	87.
	Merrill Bliss & Co.	do	84. 25. 83.
	Peter Belcher, agt	do	83.
	E. A. Jamieson	do	120.
	State Trust Co	do	105. 87. 77.
	Isaac Bloch	do	77.
	Indianapolis Gas Co	do	250.
	B. D. Johnson	do	45.
	Farmers' Bank of Fresno	do	45. 67. 115.
	Guaranty Building Co	do	126.
	Fred Arnold	do	75.0 74.5 87.
	Maggie French	do	74.7
	O B. Hart	do	24.0
	Chicago Auditorium Association	do	24.0 450.0
	Citizens' Bank of Norfolk, Va	do	131.
	C. M. Boucher	do	42.0 77.5
	New England Telegraph and Telephone	Telegraph services	2.
	A.J. Knight E. J. Davenport Peter Sonna R. McLaughlin T. M. Jeffris & Co E. S. Hughes & Co Salt Lake Board of Trade A. C. Rackliffe Ella W. Daniels Benj. M. Jacobs O. J. Mairs Walla Walla Lodge, No. 56, I. O. O. F. Merrill Bliss & Co Peter Belcher, agt E. A. Jannieson T. B. Catron State Trust Co Isaac Bloch Indianapolis Gas Co B. D. Johnson Tyree & Wilkins, agents Farmers Bank of Fresno Guaranty Building Co Fred Arnold Maggie French Edgar Harding O. B. Hart Chicago Auditorium Association Cittzens' Bank of Norfolk, Va C. M. Boucher Asher Marks, administrator New England Telegraph and Telephone Co Kelly's Island and Sandusky Cable Tele-	do	8.8
	graph Co. Great Northwestern Telegraph Co. of	do	162.8
	Canada		171.0
	Carolina Midland Rwy Co	do	5
	Fort Worth and Denver City Rwy. Co	do	5. 24. 202.
	Carolina Midland Rwy. Co Fort Worth and Denver City Rwy. Co Postal Telegraph-Cable Co Southern Bell Telephone and Telegraph	do	202.
	Southern Bell Telephone and Telegraph Co.	Telephone service	7.
	do	do	3. 10.
	Lynchburg Telephone Co	do	3.
	Iowa Telephone Co	do	3. 2. 6.
	Ohio River Telephone Line	do	6.
	Southern States Telephone Co	do*_	2. 7.
	Bell Telephone Co., of Buffalo	do	12.
	Sunset Telephone and Telegraph Co	do	6.
	Missouri and Kanasa Talanhans Ca	do	6.
	Northwestern Telephone Exchange	do	18. 9.
	Santa Fé Electric Telephone Co	do	. 6.
	Pennsylvania Telephone Co	do	21. 9. 31.
	Southern New England Tolerhone Co.	do	9. 31
	Ontario Telephone Co	do	7.
	Co. do do Lynchburg Telephone Co Lynchburg Telephone Co lowa Telephone Co Ohio River Telephone Line. Aurora and Friendship Telephone Line. Southern States Telephone Co. Bell Telephone Co., of Buffalo Sunset Telephone and Telegraph Co do Missouri and Kansas Telephone Co. Northwestern Telephone Exchange Santa Fé Electric Telephone Co. Pennsylvania Telephone Co. Inland Telephone and Telegraph Co. Southern New England Telephone Co. Ontario Telephone Co. Empire State Telephone and Telegraph Co.	do	7. 15.
	Central Union Telephone Co Southern Rwy. Co	do	39.
			13.

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\tt Cont'd.}$

Date.	Name.	Nature of payment.	Total.
1899.			<b>600.00</b>
Apr. 1	Union Pacific R. R. Co	Passenger transportation	\$30.00 15.30 7.50
	Missouri Pacific Pwy Co	do	7 50
	do	do	10.46
	Union Pacific R. R. Co  Texas Pacific R. R. Co Missouri Pacific Rwy. Co do  Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	10.46 3.75
	Atchison Topeka and Santa Fé Rwy Co	ob	6.15
	Atchison, Topeka and Santa Fé Rwy. Co New York, New Haven and Hartford R. R. Co.	do	8.35
	Co. Pay roll, Woods Holl, Mass Pay roll, New Haven, Conn Pay roll, Norfolk, Va H. G. Smith Wm. Lowe J. J. Veeder City of Moorhead, Minn Katie Collins Maggie Hall R. G. Goffin Alice M. Adie Louis Prior Chas. A. Blumner J. C. Entwistle Amelia McLean P. C. Shaw	Substation, salaries	60.00
	Pay roll, New Haven, Conn	do	48.00 105.00
	Pay roll, Norfolk, Va	Electrical graph	30.00
	Wm. Lowe	Repairs to typewriter	2.50
	J. J. Veeder	Repairs to flagstaff	34.00
	City of Moorhead, Minn	Services and material	5.35 6.00
	Katie Collins	do	6.00
	R. G. Goffin	do	6.77 9.00
	Alice M. Adie	do	19.50
	Louis Prior	do	9.00
	Chas. A. Blumner	Engraving for printing office	15.00
	Amelia McLean	Washing towels	5.00 3.00
	P. C. Shaw	do Engraving for printing office Washing towels do	6.00
	Amelia McLean P. C. Shaw F. L. Thompson Fred Albright F. J. Hart Jas. Newcomen Henry C. Smith Knight & Rosenkrans L. Naegele & Sons Indianapolis Light and Power Co Consumers' Electric Light and Street R. R. Co.	Repairing telegraph lines Use horse	20.00
	Fred Albright	Use horse	2.00 2.00 3.25
	F.J. Hart	Use horse	2.00
	Henry C. Smith	Services	1.00
	Knight & Rosenkrans	Washing towels	1.00 1.50
	L. Naegele & Sons	Printing monthly reports	50.00
	Consumers' Floatric Light and Street	Electric current	18.00 5.00
	R. R. Co.		3.00
	Guaranty Building Co.	do	9.00
	Edwd. Hunter & Co	do Linoleum Post-office box	15.75 1.50 2.25
	Simon Nausbaum, postmaster	Post-office box	1.50
	Edwd. Hunter & Co Simon Nausbaum, postmaster Grant Rivenburg Thos. Boles	Storage	6.00
	Thos. Boles R. Carter Ballentyne Chas. Wagner Hugh Reilly W. B. Moses & Sons W. C. Newton & Co do Belt & Dyer	Storage Paper Screen Paint brushes	876.35
	Chas. Wagner	Screen	876.35 6.50
	W. P. Marca & Cons	Paint brushes	14.25
	W. C. Newton & Co	Supplies	73.74
	do	do	32. 85 73. 74 156. 22
	Belt & Dyer	Furniture Suppliesdo Sawdust	2. 10 25. 55
3	The Maurice Joyce Engraving Co	Electrotype plates	25.55
9	do Belt & Dyer The Maurice Joyce Engraving Co. St. Louis and San Francisco R. R. Co Chicago. Milwaukee and St. Paul Rwy. Co. Kansas City, St. Joseph and Council Bluffs R.R. Co. Chicago, Milwaukee and St. Paul Rwy. Co. do E. C. Cook Denver and Rio Grande R. R. Co. Vandalia Line	do	11.77 4.90
	Kansas City, St. Joseph and Council	do	.24
	Bluffs R. R. Co.		00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	. 39
	E. C. Cook	do	. 39 3. 79 . 25 12. 25
	Denver and Rio Grande R. R. Co	do	12.25
	Vandalia Line Missouri, Kansas and Texas Rwy. Co Plant Steamship Line Southern Pacific Co. (Atlantic System) do do St. Louis, Keokuk and Northwestern R. R.	do	1.61
	Missouri, Kansas and Texas Rwy. Co	do	. 54 10. 10
	Southern Pacific Co. (Atlantic System)	do	13.47
	do	do	7.01
	do	do	5. 26
	Co.		. 32
6	Southwestown Telegraph and Telephone	Talamanh anniana	. 47
0	Co.	relegraph services	15.00
	Columbia Telephone Co	do	10.50
	Cumberland Telephone and Telegraph Co.	do	9.00
	Independent Telephone Co.	do	6.00
	Chicago Telephone Co	do	18.00 53.75
	Oregon Telephone and Telegraph Co	Telegraph rents	53.75 22.50 40.47
	F. C. Hall	Traveling expenses	40.47
	W. T. Blythe	Office expenses	32.50
	Wayland Bailey	do	1.97 1.75
	Co. Columbia Telephone Co. Columbia Telephone Co. Cumberland Telephone and Telegraph Co. Michigan Telephone Co. Independent Telephone and Telegraph Co. Chicago Telephone Co. Cregon Telephone Co. F. C. Hall. W. T. Blythe S. S. Bassler. Wayland Bailey E. H. Emery E. H. Nimmo Pacific Club	do	5.65
	E. H. Nimmo	do	1.00 67.50

Date.	Name.	Nature of payment.	Tota
1899.	Orson Adams, jr. P. H. Swearingen H. W. Styron Portland Trust Co. of Oregon The Gamble Desmond Co. D. Horton Geo. E. Shaw Bunce & Iiams Jos. A. Smith F. E. Warren Mercantile Co. Pay roll, New York, N. Y Pay roll, Portland, Oreg do. Pay roll, Shreveport, La F. J. Carter O. H. Rieger May Levy		
pr. 6	Orson Adams, jr	Rent of office	\$12 4
	P. H. Swearingen	do	4
	Portland Trust Co of Oregon	do	91
	The Gamble Desmond Co	do	10
	D. Horton	do	120
	Geo. E. Shaw	do	7
	Bunce & Iiams	do	90
	Jos. A. Smith	do	210 100 120 70 90
	F. E. Warren Mercantile Co	do	9.
	Pay roll, New York, N. Y	Substation, salaries	66 60
	do	do	78
	Pay roll, Shreveport, La	do	42
	F. J. Carter	Repairing typewriter	10
	O. H. Rieger	Repairing clock	2
	May Levy E. R. French Frank Anderson The J. K. Gill Co	Services, etc	42 10 2 12
	E. R. French	do	4
	The LV Cill Co	Dun ama ata	1.
	Tagob Woltoner	Ink, etc.	14
	Jacob Weltener Dowd & King Joshua Williams	Dronlight etc	17
	Joshua Williams	Flagstaff.etc	1
	F. F. Gallaher	Repairs to flagstaff	92
	F. F. Gallaher Citizens' Bank of Norfolk, Va	Window shades	2
	Joe B. Evans R. D. Willson	Pigeonholes	
	R. D. Willson	Ink, etc Droplight, etc Flagstaff, etc Repairs to flagstaff Window shades Pigeonholes Stoves Electric current Coal Type Oil	26
	H. L. Pittock J. A. Barnes American Type Founders Co	Cool	18
	American Type Founders Co	Type	. 10
	Ben H. Doster	Oil	į
	American Type Founders Co- Ben H. Doster Portland Gas Co- McGrue & Powell Alex G. McAdie C. M. Beeson E. Whitehurst A. Lone Annon Searcest	Gas.	22
	McGrue & Powell	Boxes Traveling expenses Rent of office	22
8	Alex G. McAdie	Traveling expenses	32
	C. M. Beeson	Rent of office	97
11	E. Whitehurst	Servicesdo	97 12 10
	Aaron Sargent	do	12
	Annie Reed	do	18
	W. T. Turbeville	do	18
	W. A. Johnson	do	30
			30
	I W Prepar	de	30 15
	J. W. Bauer	Office expenses	4
	Willis Brooks	The reling or page	4
	Chac R Rright	do	7
	Pacific Telephone and Telegraph Co	Telephone services	1
	Missouri and Kansas Telephone Co	do	18
	La Crosse Telephone Co	do	18 7 8
	Wisconsin Telephone Co	do	3
	Iowa Telephone Co.	do	6
	J. W. Bauer Willis Brooks J. H. Smith Chas. B. Bright Pacific Telephone and Telegraph Co. Missouri and Kansas Telephone Co. La Crosse Telephone Co. Lister Comberland Telephone Co. Lowa Telephone Co. Lowa Telephone Co. Lowa Telephone Co. Lucwis Nebraska Telephone Co. Soothwestern Telegraph and Telephone Soothwestern Telegraph and Telephone	do	10
	R. L. Lewis Nebraska Telephone Co Southwestern Telegraph and Telephone	do	15 15
	Southwestern Telegraph and Telephone	Telephone rent	6
	Co.	resopned reno	9
	Southern Bell Telephone and Telegraph	Telephone services	.7
1	Co.	-	
	Bell Telephone Co. of Philadelphia, Pa Southern Bell Telephone and Telegraph	do	. 30
	Southern Bell Telephone and Telegraph	do	13
	Co.	a -	30
	City and Suburban Telegraph Association. Delaware and Atlantic Telegraph and	do	20 12
	Telephone Co		16
	Telephone Co. Home Telephone Co. Georgetown and Lanes Telegraph Co Gardner Cable Co L. Mirelea	Telephone rent	6
	Georgetown and Lanes Telegraph Co	Telegraph services	17
	Gardner Cable Co	do	17
	L. Mirelaz	Office rent	60 322 90
	H. H. Taylor, agent	do	322
	Fannie L. Keating	00	90
	Telephone Co. Home Telephone Co Georgetown and Lanes Telegraph Co Georgetown and Lanes Telegraph Co Gardner Cable Co. L. Mirelaz H. H. Taylor, agent Fannie L. Keating Kate F. Coke Jno. L. McCague and W. L. McCague Albert Marty Marg † Parmentier Jno. Semer B. L. Williams Real Estate and Law Building Lorenzo Littlefield American Surety Co. of New York	do	. 60 125
	Albert Marty	do	165
	Marg't Parmentier	do	75
	Jno. Semer	do	114
	B. L. Williams	do	55 34
	Real Estate and Law Building	do	34
			64

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 11	Warfield & Dann Chesapeake and Ohio Rwy Co Pennsylvania R. R. Co Oregon Short Line R. R. Co Pay roll, Wilmington, N. C E. L. Page E. D. Beattie M. A. Graham American Toilet Supply Co Towel Delivery Co., Limited Salt Lake Transfer Buffalo Gas Light Co Corpus Christi Electric Co Chicago and Northwestern R. R. Co do do Lake Shore and Michigan Southern Rwy. Co. Chicago Publington and Oningy R. R. Co	Office rent	\$75.00
	Chesapeake and Ohio Rwy Co	Passenger transportation	16.00 18.00
	Oregon Short Line B. R. Co	do	1.50
	Pay roll, Wilmington, N. C.	Substation salaries	$\begin{array}{c} 1.50 \\ 72.00 \end{array}$
	E.L.Page	Services	4.95 36.00
	E. D. Beattie	Printing report	36.00
	M. A. Graham :	wasning towels	1.50 2.25 4.50 43.00 6.40
	Towel Delivery Co. Limited	do	4.50
	Salt Lake Transfer	Moving office	43.00
	Buffalo Gas Light Co	Gas	6.40
	Corpus Christi Electric Co	Electric light	6.00
	Chicago and Northwestern R. R. Co	Transportation	9.72 5.46
	do	do	44.70
	Lake Shore and Michigan Southern Rwy.	do	. 76
	Co.		2.1
	Chicago, Burlington and Quincy R. R. Co- Fremont, Elkhorn and Missouri Valley	do	2.07
			2.07
	H.E. Overstreet H.E. Overstreet Evansville and Terre Haute R. R. Co Baltimore and Ohio R. R. Co do Fort Worth and Denver City Rwy. Co Santa Fé, Prescott and Phoenix Rwy. Co Baltimore and Ohio Southwestern Rwy.	do	. 34
	Evansville and Terre Haute R. R. Co	do	1.65
	Baltimore and Ohio R. R. Co	do	62 67
	do	do	1.18
	Fort Worth and Denver City Rwy. Co	do	1.04 15.13
	Baltimore and Ohio Southwestern Rwy	do	130.71
			100.11
	Erie R. R. Co.	do	3.02
	Erie R. R. Co. Southern Pacific Co. (Atlantic system) Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.00
	Cleveland, Cincinnati, Chicago and St.	do	3.47
	Louis kwy. Co.	do	1.65
	do	do	7.86
13	Standard Oil Co	Benzine for printing office	4.42
	Wm. Nordhoff	Magnifying glass	3.00 6.87
15	Mary Larner	Services	6.87
	Anna Faris	do	21.00
	E F Weihe	do	4.50 18.00 9.00
	C. P. Blackly	do	9.00
	C. P. Disney	do	7.00
	L. Rogers	do	7.00 15.00 39.00
	Pay roll, Fort Smith, Ark.	Substation, salaries	59.00 49.00
	Pay roll Harrishuro Pa	do	63.00
	Pay roll, Charleston, S. C.	do	70.00 85.50
	Pay roll, Cairo, Ill	do	136.00
	Pay roll, New Orleans, La	do	84.00 25.80
	W. H. Monroe	Traveling expenses	25.80
	Geo. M. Chappel	Office expenses	4.50 1.00
	Louis Rwy. CodododoStandard Oil Co Wm. Nordhoff Mary Larner E. J. Gifford Anna Faris E. F. Weihe C. P. Blackly C. P. Disney L. Rogers Pay roll, Fort Smith, Ark Pay roll, Fort Smith, Ark Pay roll, La Crosse, Wis Pay roll, Harrisburg, Pa Pay roll, Caire, Ill Pay roll, Charleston, S. C. Pay roll, Caire, Ill Pay roll, New Orleans, La W. H. Monroe J. C. Hayden Geo. M. Chappel E. C. Vose L. N. Jesunofsky P. Connor G. N. Wilson U. G. Purssell New York Telephone Co Southern Bell Telephone and Telegraph Co. New York and Pennsylvania Telephone	do	12. 21 . 75 6. 85 . 70
	L. N. Jesunofsky	do	. 75
	P. Connor	do	6.85
	U. N. Wilson		1.00
17	Vow Vork Telephone Co	Tolophono soprino	60.00
	Southern Bell Telephone and Telegraph	do	60.00 15.00
	Co.		
	New York and Pennsylvania Telephone	do	21.00
	and Telegraph Co.	3-	17 00
	Control District and Printing Tolograph Co.	00	15.00
	W. T. Smith	do	12.00
	East Tennessee Telegraph Co	do	34. 25 12. 00 6. 00
	The Cairo Telephone Co	do	5.00 6.00
	Weo. W. Finch	do	6.00
	do do	do	4.50 <sub>-</sub> 9.00
	Southern Bell Telephone and Telegraph Co.	do	10.00
	Northwestern Telephone Exchange Co	do	18, 00
	Jas. S. Sebree	Office rent	18.00 36.00
	Colley & Wright	do	78.50 100.00
	Northwestern Mutual Life Insurance Co.	do	100.00
	H Overholser	0D	84.00 127.50
	Southern Bell Telephone and Telegraph Co. New York and Pennsylvania Telephone and Telegraph Co. Hudson River Telephone Co. Central District and Printing Telegraph Co W. T. Smith East Tennessee Telegraph Co The Cairo Telephone Co. Geo. W. Finch Michigan Telephone Co. do Southern Bell Telephone and Telegraph Co Northwestern Telephone Exchange Co. Jas. S. Sebree Colley & Wright Northwestern Mutual Life Insurance Co. Wm. Chandler H. Overholser M. E. Conway. Bank and Insurance Building Co.	do	37 74
	Bank and Insurance Building Co.	do	37.74 100.00
			200.00

ate.	Name.	Nature of payment.	Tota
399.			
r. 17	Estate of Isaac Eberly	Office rent	\$15
	Luke & Smith	do	7
	Chas. A. Hayman	Services	
	Luke & Smith Chas. A. Hayman Jas. Evans Ella Beahan Kate E. Reynolds	do	
	Kata E Raynolds	do	1
	E. E. Friday	do	2
	E. E. Friday J. F. Beck	Washing towels	
	Greater New York Toilet Supply Co	do	3
	L. Rodgers Fulton Transfer Co	Use horse and cart	3
	Fulton Transfer Co	Drayage	11
	Statesman Printing Co	Printing reports Ink and mucilage	11
	The Calvert Co Model Grocery and Trading Co American Type Founders Co	Oil and matches	
	American Type Founders Co	Type	
	C. B. Little	Type Water	1
	C.B. Little J. W. Benham Consolidated Gas Co Brush Electric Co., of Baltimore City	Wood	
	Consolidated Gas Co	Gas	
	do	Electric lightdo	1
	do Columbia Water and Light Co	do	Ť
	Thos. W. Pemberton	do	
	Thos. W. Pemberton Minneapolis International Electric Co. American Type Founders Co.	do	1.
	American Type Founders Co	Recasting rollers	
	D. Stormont	Repairing telegraph line	
	C. F. Jones Ott. F. Heizer		1
	H E. Wilkinson	do	4
	W T Blythe	Office avnonger	10
	Pay roll, Augusta, Ga Pay roll, Atlanta, Ga Pay roll, New Orleans, La Pay roll, New Orleans, La Pay roll, New Orleans, La Pay roll, New Create, La Pay roll, New Create, La Pay roll, Little Rock, Ark Pay roll, Portland, Me Pay roll, Raleigh, N. C Pay roll, Savannah, Ga Pay roll, Montgomery, Ala Pay roll, Montgomery, Ala Pay roll, Pittsburg, Pa Pay roll, Baltimore, Md Pay roll, Boston, Mass Pay roll, Charleston, S. C Pay roll, Augusta, Ga Pay roll, Cincinnati, Ohio Pay roll, Mobile, Ala F. H. Clark W. W. Neifert E. H. Emery do J. W. Smith	Substations, salaries	10
	Pay roll, Atlanta, Ga	do	8
	Pay roll, New Orleans, La	do	55 90
	Pay roll Little Rock Ark	do	4:
	Pay roll, Portland, Me	do	6
	Pay roll, Raleigh, N. C	do	8
	Pay roll, Savannah, Ga	do	6
10	Pay roll, Montgomery, Ala	do	150 31
18	Pay roll Baltimore Md	do	4
	Pay roll, Boston, Mass	do	53
	Pay roll, Charleston, S. C	do	1:
	Pay roll, Augusta, Ga	do	4.9 9 8.
	Pay roll, Cincinnati, Ohio	do	9
	F H Clark	Office expenses	0.
	W. W. Neifert	do	4
	R.J. Hyatt	do	
	E. H. Emery	do	
	T DY G 44	do	1.
	J. W. Smith	Traveling expenses	10
	Southwestern Telegraph and Telephone Co.	Telephone service	15
	Pan Telephone Co	do	2
	do J. W. Smith Thos. Crawford Southwestern Telegraph and Telephone Co Pan Telephone Co Southwestern Telegraph and Telephone Co Black Hills Telegraph and Telephone Co Duluth Telephone Co Chesapeake and Potomac Telephone Co The J. F. W. Dorman Co Geo. L. Alexander	do	
	Black Hills Telegraph and Telephone Co.	do	2
	Chesaneake and Potomas Tolonhore Co	do	11 33 22
	The J. F. W. Dorman Co.	Rubber stamps	2
	Geo. L. Alexander The White, Corbin & Co Chas. Cooper & Co	Benzine, etc	
	The White, Corbin & Co	Manila envelopes	37
	Chas. Cooper & Co	Anhydrous ammonia	
	Eimer & Amend	Gas tubes, etc Office rent	120
	Jos. Gussenhoven Mill Valley and Mount Tamalpais Scenic	dodo	10
	Rwy Co		
	Nashville Gas Light Co	Gas	
	Nashville Gas Light Co	do	17
1	Uncinnati Electric Light and Power Co.	Electric current	18
	Union Ice Co	Washing towels and flags	6
	Dora Moyen Bekins Van Line	Hauling	
	Bekins Van Line Robt. Little	do	. ]
	E. M. Bowman	do	12
	Charlie Lewis	Services	12
	A. H. Thompson B. F. Modisett Galveston, Houston and Henderson R. R.	do	18
19	Galvesten Heriston and Henderson P. P.	Passenger transportation	30 13
19	Co.	r assenger transportation	16

Date.	Name.	Nature of payment.	Total.
1899.	Cone & Kimball First National Bank, Portland, Me Cumberland Telephone and Telegraph Co Northwestern Telephone Exchange Co Missouri and Kansas Telephone Co Missouri and Kansas Telephone Co Misconsin Telephone Co Wisconsin Telephone Co Sunset Telephone and Telegraph Co Henry J. Green Silver State Towel Supply Co New Orleans Gas Light Co Atlantic City Gas and Water Co Milwaukee Gas Light Co Raleigh Gas Co E. A. Hughes Milwaukee Electric Rwy. and Light Co Howard Transfer Co American Type Founders Co do Geo. Meier & Co The Okenite Co		
pr. 19	Cone & Kimball	Office rent	\$99.06
	Cumberland Telephone and Telegraph Co.	Telephone services	126.00
	Northwestern Telephone Exchange Co	do	30.00 18.00
	Missouri and Kansas Telephone Co	do	9.00
	New England Telephone and Telegraph Co.	do	12.00
	Wichigan Telephone Co	00	6.00
	Sunget Telephone and Telegraph Co	do	18. 75 15. 00
	Henry J. Green	Thermometers	41. 23 2. 23
	Silver State Towel Supply Co	Towel supply	2.23
	New Orleans Gas Light Co	Gas supply	16.04
	Milwankee Gas Light Co	do	6.07 20.96
	Raleigh Gas Co	do	10.60
	E. A. Hughes	Electric light	9.00 22.17
	Milwaukee Electric Rwy. and Light Co	do	22.17 1.23
	American Type Founders Co	Type	21.13
	do	Type, printing office	5.8
	Geo. Meier & Co	Lithographic varnish, printing	12.50
	mi olemite de l'imite l	office.	100.00
,	Rambart Bros & Spindler	Wire Supplies and corries	100.00 3.68
	Jno. W. Pope	Shelving	40.00
	W. H. Renear	Team	4.80
90	The Okenite Co., Limited Barnhart Bros. & Spindler Jno. W. Pope W. H. Renear Cooper Bros Illinois Central R. R. Co Missouri Pacific Rwy. Co.	Services	1.00
20	Missonyi Pagifia Pwy Co	Passenger transportation	20, 95 26, 00
	dodo	do	3.00
	do. Louisville and Nashville R R.Co. Richmond, Fredericksburg and Potomac	do	3. 00 14. 70 3. 50
	Richmond, Fredericksburg and Potomac	do	3.50
	R. R. Co.	3	e 42
	Oregon R. R. and Navigation Co.	do	6.43 12.88
	Chamber of Commerce Building Co	Office rent	75.21
	F. P. May & Co	Hook	.60
	Cregon K. K. and Navigation Codo Chamber of Commerce Building CoF.P. May &Co Wyckoff, Seamans & Benedict R. P. Clarke Paine Bros	Cylinder	1.10 3.57
	Paine Bros	Office rent	73.93
	Edwd. Mimms	Services	5.68
	Geo. S. Waite	Office rent	119.8
	T. M. House	Services, etc	15.00 40.00
	Macon Electric Co	do	5.00
	J. C. Entwistle	Engraving for printing office	5.00
	J. C. Hayden	Traveling expenses	12.00 2.2 2.2
	Jac Ropey	do	2.2
	W. S. Currier	Office expenses	2. 2. . 56 2. 85 2. 75
	D. P. McCallum	do	. 53
	N. B. Conger	do	2.8
	East Tennessee Telephone Co	Telephone service	10.00
	Pittsboro and Moncure Telegraph Line	Telegraph service	7.70
	R. P. Clarke Paine Bros. Edwd. Mimms Geo. S. Waite T. M. House J. H. B. Wilder Macon Electric Co J. C. Entwistle J. C. Hayden T. F. Townsend Jas. Berry W. S. Currier D. P. McCallum N. B. Conger Alex. G. Burns East Tennessee Telephone Co Pittsboro and Moneure Telegraph Line Bell Telephone Co. of Missouri Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telephone service	7.70 16.23
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	13.69
	International Ocean Telegraph Co	ob	264.10
	International Ocean Telegraph Co. Great Northwestern Telegraph Co. of	dodo	141.07
	Canada		
21	Chicago and Northwestern Rwy. Co	Transportation	42.76 4.25
W1	H C Bate	Once expenses	4.26 5.90
	R. L. Anderson	do	4.05
	Pay roll, Parkersburg, W. Va.	Substation, salaries	191.00 130.2
	Pay roll, St. Louis, Mo.	do	130. 23
	R. L. Anderson Pay roll, Parkersburg, W. Va Pay roll, St. Louis, Mo. The Maurice Joyce Engraving Co. J. C. Parker	Paner	34. 56 98. 81
	do	Letterpresses	98.81 60.00
	Thos. Somerville & Sons Rudolph, West & Co Mackall Bros	Pipe	7.66
	Mackall Bros	Halyards.	8.80
	do	Glycerin	112.61
	F. A. Tschiffely, jr	Bottles	1. 75 1. 30
	do	Wood alcohol	8.50
	F. A. Tschiffely, jr do Z. D. Gilman L. E. Bradford F. G. Blaidell Consumers' Ice Co	Substation, salariesdo	2.94
	F. G. Blaisdell	Services Water Ice	20.00 9.0 <sub>0</sub>
		11 60 001	9. U

# 174 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 21	Raleigh Electric Co Lincoln Traction Co	Electric current	\$4.5 13.5 1.2
			15. 5
	The Friedenwald Co	Wrappers	
	Isla of Wight Telephone and Telegraph Co.	Telegraph service	193.3 4.2 2.0 6.0
	Little Northern Telegraph Co	do	2.0
	W. H. Holmes	do	6.0
	r. A. Nourse The Friedenwald Co. Postal Telegraph Cable Co. Isle of Wight Telephone and Telegraph Co. Little Northern Telegraph Co. W. H. Holmes J. T. Harper Jacksonville and St. Johns Bar Telegraph	do	20.6 7.5
	Line.		
	Alabama, Mississippi, and Tennessee Telephone Co.	Telephone service	7.0
	Jackson & Rich Square Telephone Co	do	30.8
	Iowa Telephone Co.	do	2.8
	Peoples' Telephone and Telegraph Co	do	9.00
	Woodford Telephone Co	do	2.8 9.0 7.5 3.9
	Jackson & Rich Square Telephone Co Jackson & Rich Square Telephone Co East Tennessee Telephone Co Peoples' Telephone and Telegraph Co Woodford Telephone Co Southern Bell Telephone and Telegraph	do	8.2
	Fliga C Casaltan	Commisson	30.0
	Wm. Searle	do	9 0
	Buel Chidester	Renairing motor etc	9.0
	Burgar C. Crocker Wm. Searle Buel Chidester Barden & Sheets C. C. Randolph Juo. P. Glynn	do Repairing motor, etc Printing monthly report Drayage	9. 0 37. 5 63. 0
	Jno. P. Glynn	Drayage	
	Sinc. P. Grynn L. E. Stone Statesman Printing Co L. Nægele & Sons. First National Bank of Moorhead, Minn Eliza E. Renoe Amarillo Improvement Co	Services	22. 73 55. 00 25. 00
	L. Naegele & Sons	Printing report	25.0
	First National Bank of Moorhead, Minn	Office rent	66.3
	Amarillo Improvement Co	ao 	100.0
	Central Investment Co	uo	50.0 163.7
	A. P. Eagleston	do	65.00 59.33
	Continental National Bank	do	150.0
	Penn Mutual Life Insurance Co	do	81. 2 76. 2
	Adams Express Co	Transportation	76.20
	A P. Eagleston H. D. & F. H. Irvish Continental National Bank Penn Mutual Life Insurance Co Adams Express Co do United States Express Co G. Haas Hagen W. M. Fulton C. F. R. Wappenhaus H. B. Dick	do	103.70 56.78 15.90
90	United States Express Co	do	15.90
26	W M Fulton	Omce expenses	1.60
	C. F. R. Wappenhaus	do	4.30 4.96
	H. B. Dick.	do	4.00 5.98
	E. H. Emery	do	3.00
	Jas. F. Atherton	Traveling expenses	2.50
	Nebraska Telephone Co	Telephone service	61.30
	C. F. R. Wappenhaus H. B. Dick C. F. Von Herrmann E. H. Emery Jas. F. Atherton Central R. R. Co. of New Jersey Nebraska Telephone Co Corvallis and Eastern R. R. Co W. C. Newton & Co E. J. Lewis Jno. C. Parker do Frank Springmann	Telegraph service	5, 9; 3, 00 2, 5; 61, 3; 2, 7; 129, 3; 2, 0; 1, 593, 1; 831, 6, 8;
	W.C. Newton & Co	Type, etc	129.37
28	Jno. C. Parker	Paper, ink, etc	1, 593. 1
	do	Cardboard	831.6
29	Corvallis and Eastern R. R. Co W. C. Newton & Co E. J. Lewis Jno. C. Parker do Frank Springmann W. F. R. Phillips et al Jno. P. Church et al A. E. Clarke Schneider Bros	Transportation	257. 80
Ne	Jno. P. Church et al	Salaries, printing office	2,491.13 .80 12.75
May 1	A. E. Clarke	Lamps	19.77
	The Pittsburg Reduction Co	Aluminum tubing, etc	21. 4
	Jas. H. Callender	Vitriol	21.46 60.7
	Chas. E. Johnson & Co	Ink, printing office	15.00 10.10
	W. T. Blythe	Traveling expenses	6.5
	F. H. Brandenburg	Cardboard Transportation Salaries, climatology Salaries, printing office Lamps Aneroid cells Aluminum tubing, etc Vitriol Ink, printing office Services Traveling expenses Office expenses Flagstaff	6. 58 2. 00
	Uriah B. Dodge	Renairing printing press	24.00
	Edwards & Broughton	Casting rollers Use of horse Repairing and cleaning clock Hauling	3.00
	Fred Albright	Use of horse	1.00
	U. W. Friend	Repairing and cleaning clock	2.50 .35
	S. D. Austin	Services	15.00
	Atchison, Topeka and Santa Fé Rwy. Co.	Passenger transportation	14.50
	A. E. Clarke. Schneider Bros. The Pittsburg Reduction Co Jas. H. Callender Chas E. Johnson & Co. R. W. Clement W. T. Blythe F. H. Brandenburg Uriah B. Dodge Duff Dodson Edwards & Broughton Fred Albright C. W. Friend W. H. Brown S. D. Austin Atchison, Topeka and Santa Fé Rwy. Co The Richmond Chamber of Commerce E. S. Levy. Tacoma Chamber of Commerce	do	145.00 150.00
	Tacoma Chamber of Commerce	(10)	60.00
	Catherine Wilson Henry Bolton	do	140. 82 52. 84
	Henry Bolton	d0 ,	94.89

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

ate.	Name.	Nature of payment.	Total.
899.			
у 1	Society for Savings in the City of Cleveland.	Office rent	\$285.(
	Winton Telegraph Co	Telegraph service	7.9 100.2 3.2
	Winton Telegraph Co. Deseret Telegraph Co. Chicago, Burlington and Northern R. R.	do	3.2
	Co. Eastern Tennessee Telephone Co	Telephone service	18.4
	Eastern Tennessee Telephone Co		12.0
	Raleigh Telephone Exchange. Dakota Central Telephone Lines. Barron County Telephone Co Alabama and Georgia Long Distance Tele-	do	7.3 98.0 15.0
	Barron County Telephone Co	do	98. 0 15. 0
	Alabama and Georgia Long Distance Telephone Co.	do	16.5
	phone Co. Cumberland Telephone and Telegraph Co. Pacific Telephone and Telegraph Co. Iowa Telephone Co. Northwestern Telephone Exchange Co. J. B. Mattingly New York and Pennsylvania Telephone	do	27.2
	Iowa Telephone Co	do	25. 3 34. 8
	Northwestern Telephone Exchange Co	do	9. ( 6. (
	New York and Pennsylvania Telephone	do	9.
	New York and Pennsylvania Telephone and Telegraph Co. Brush Electric Light and Power Co The Electric Light Co. of Atlantic City. O. C. G. Urban Merchants' and Manufacturers' Electric Light, Heat, and Power Co.	Electric current	15.0
	The Electric Light Co. of Atlantic City.	do	11.5
	Merchants' and Manufacturers' Electric Light, Heat, and Power Co.	do	5. (
	Light, Heat, and Power Co. Galveston Gas Co	Gas	9.4
	Light, Heat, and Power Co.  Galveston Gas Co W. H. Gussio Isabel Sobel Park Avenue Pharmacy Elizabeth L. Renoe A. B. Nichols Pennsylvania R. R. Co Staunton Mutual Telephone Co.	Post-office box	12.6
	Park Avenue Pharmacy	Ink	1.
3	Elizabeth L. Renoe	Office expenses	3. 4.
4	Pennsylvania R. R. Co	Passenger transportation	25.
			37. 6.
	Alabama, Mississippi, and Tennessee Telephone Co.	do	
	Alabama, Mississippi, and Tennessee Telephone Co. Georgetown and Lanes Telegraph Co The Miami Telephone Co Central of Georgia Rwy. Co. G. N. Salisbury J. B. Marbury H. B. Boyer J. C. Hayden Geo. H. Willson O. C. Burrows L. H. Murdock Wm. M. Dudley W. T. Blythe N. B. Conger L. A. Denson C. A. Hyle J. W. Smith Pay roll, Nashville, Tenn Pay roll, Vicksburg, Miss Pay roll, Chattanoga, Tenn Pay roll, Jacksonville, Fla. Pay roll, Jacksonville, Fla. Pay roll, Jensacola, Fla Pay roll, Nesveston, Tex Pay roll, Pensacola, Fla	Telegraph service	8. 21.
	Central of Georgia Rwy. Co	Passenger transportation	21. 5.
	G. N. Salisbury	Office expenses	5. 2. 7. 13.
	H.B. Boyer	do	13.
	Geo. H. Willson	do	2. 1. 1.
	O. C. Burrows	do	1. 1.
	Wm. M. Dudley	do	. '
	N. B. Conger	Traveling expensesdo	6. 9. 0
	L. A. Denson	Office expenses	2. 10. 2. 61.
	J. W. Smith	dodo	2.
	Pay roll, Nashville, Tenn Pay roll, Vicksburg, Miss	Substation, salaries	61. 87.
	Pay roll, Chattanooga, Tenn	do	176.
	Pay roll, Galveston, Tex	do	75. 30.
	Pay roll, Pensacola, Fla.	do	36. 55.
	D. D. Booze	Services	3.
	Jno. M. Rutherford.	do	7. 20.
	A. L. Foster	do	20
	Western Union Telegraph Co	Telegraph services	8. 25. 16.
	Yazoo and Mississippi Valley R. R. Co	Passenger transportationdo	16. 6.
5 15	A L. Foster D. M. Blair Western Union Telegraph Co. St. Louis and San Francisco R. R. Co. Yazoo and Mississippi Valley R. R. Co. Western Union Telegraph Co. C. M. Wayland T. S. Outram A. E. Hackett C. M. Strong A. J. Davis W. T. Blythe Alex. G. McAdie Pay roll, Atlanta, Ga. Pay roll, Harrisburg, Pa. Pay roll, Harrisburg, Pa. Pay roll, Montgomery, Ala A. Lone	Telegraph service	12,683.
10	T.S. Outram	Office expenses	5. 3. 7.
	A. E. Hackett C. M. Strong	do	7.3 3.1
	A. J. Davis	do	1
	Alex. G. McAdie	Traveling expenses	15. 43.
	Pay roll, Atlanta, Ga	Substation, salaries	43. 14. 14.
	Day ron, marrisburg, Pa.	u0	21.

Date.	Name.	Nature of payment.	Total.
1899.			
ay 16	Chas, W. Halsey Dewey A. Seeley M. B. Sanford Chas A. Hyle W. M. Wilson I. M. Cline W. T. Blythe Vermont Telephone and Telegraph Co Southern Bell Telephone and Telegraph Co	Traveling expenses	\$29.93
	Dewey A. Seeley	do	5.50
	M. R. Santord	do	6.50
	W M Wilson	Office expenses	34.00 9.55
	I. M. Cline	do	8.00
	W. T. Blythe	dodododododododododo	1.10
	Vermont Telephone and Telegraph Co	Telephone services	9.00 15.00
	Southern Bell Telephone and Telegraph Co	do	15.0
	do *	do	17.50
	do	dodo	7.50 17.50 7.50
	do do J. A. Hudson C. S. McLawry, J. E. McLawry, and P. A.	Office rent	4.00
	C. S. McLawry, J. E. McLawry, and P. A.	Office rent	69.00
	Johnson.  H.S. Gilbert county trassurer	do	67.00
	Norwich University Pacific Transfer Co	do Matches Steam heat Drayage do Calf skins, etc Repairing typewriter Services on telegraph lines Repairing river gauge do	1.50
	Norwich University	Steam heat	1.50 7.50
	Pacific Transfer Co	Drayage	12.25
	Log C Tophom	Colf alring ato	13.01
	United Typewriter and Supplies Co	Renairing typewriter	8.20 15.00
	Jas R. Hobbs	Services on telegraph lines	1.50
	M. D. Cryderman	Repairing river gauge	1.50 12.00
	do Jas. S. Topham United Typewriter and Supplies Co Jas R. Hobbs M. D. Cryderman Gilbert H. Tracy Dacosta Printing Co Claude L. Friel L. H. Jones I. I. Hill Printing Co		20.00
	Dacosta Printing Co	Printing weekly bulletin	29. 25 6. 00
	L. H. Jones	Recasting rollers	2.70
	J. L. Hill Printing Co.	Binding weather maps	2.70 3.00 45.00
	W. R. Prowell	Repairing river gauge	45.00
	Claude L. Friel L. H. Jones. J. L. Hill Printing Co. W. R. Prowell Hubinger & Schmidt Salt Lake Towel Supply Co. Nashville Laundry Co. New Brunswick, Martha's Vineyard and Nantucket Steamboat Co. B. C. Crowell, jr. Wm. M. Randall Western Union Telegraph Co. Bendernagel & Co. A. Roemer Hoke Engraving Plate Co. do do W. H. H. Smith Merrill Stevens Engraving Co. F. L. Patenotte T. F. Griggs. Chas, J. Grinnell D. B. Skinner & Co. The American Bell Telephone Co. J. M. Hall Jno. F. Bell Edwd. Frohlich Paint and Glass Co. B. W. B. W. Bridges	Printing weekly bulletin do do Recasting rollers Binding weather maps Repairing river gauge Towel supply do do Services	3.00
	Nashville Launday Co	do	1.50 1.80
	New Brunswick, Wartha's Vineyard and	Services	6. 45
	Nantucket Steamboat Co.	801 11000	
	B. C. Crowell, jr	Manila rope, etc	16.31 425.00
189	Wm. M. Randall	Manila rope, etc	425.00
17	Rendern gol & Co	Services and material	14.15
	A. Roemer	Casting rollers Printing weekly bulletin Recoating plates do Use of team and labor Repairs to wind vane	3.00 10.00
- 3	Hoke Engraving Plate Co	Recoating plates	100.00
	do	do	100.00 100.00 7.00 12.60
	W H H Cmith	IIgo of team and labor	7 00
	Merrill Stevens Engraving Co	Repairs to wind vane	12.60
	F. L. Patenotte	Flagstaff	20.00
	T. F. Griggs	Repairing furniture Repairing chairs Services and material Repairing transmitter Repairing river gauge	18.23 1.00
	Chas. J. Grinnell	Repairing chairs	1.00
	The American Rell Telephone Co	Repairing transmitter	6.62
	J. M. Hall	Repairing river gauge	3.00 4.00
	Jno. F. Bell Edwd. Frohlich Paint and Glass Co	Services and material	4.00
	Edwd. Frohlich Paint and Glass Co	Services and material	1.50
	M. R. Boone	Washing towels	9.00 3.00
	B. W. Bridges M. B. Boone Cleveland Telephone Co A. A. Boles California Truck Co Henry Pitts Fredk Springman	Services and material Repairing typewriter Washing towels Telephone service Carting Hauling do	18.00
	A. A. Boles	Carting	3.50
	California Truck Co	Hauling	4.50
	Henry Pitts	do	. 1.00
	Fredk Springmann Norfolk and Washington Steamboat Co Charleston Consolidated Rwy. Gas and Electric Co.	Transportation Electric light	4.00
	Charleston Consolidated Rwy. Gas and	Electric light	. 75 3. 54
	Electric Co.	1	
	Norwich University	do	2.00
	Norwich University Hirschmann Bros	do Sweeper Stamp Typewriter ribbons	2.00 2.50 2.50
	Fred W Vaughan & Co	Typewriter ribbons	2. 50 1. 68
	Pelouze Paper and Type Co	News cases	5. 15
	Hoke Engraving Plate Co	News cases Stereotype metal	5. 13 30. 33
18	Jos. P. Fallihee	Office expenses Traveling expensesdo	1.9
	S. A. Potter	Traveling expenses	1. 90 3. 20 10. 30
	Chas. W. Halsey	do	10.30 27.15
	L. G. Schultz	do	8.00
	do	Office expenses	8. 00 3. 10
	N. B. Conger	do Office expenses Traveling expenses	6.25
	Hirschmann Bros Patrick & Co Patrick & Co Pelouze Paper and Type Co Hoke Engraving Plate Co Jos. P. Fallihee S. A. Potter Chas. W. Halsey Geo. F. von Ostermann L. G. Schultz do N. B. Conger W. B. Moses & Sons Geo. F. Muth & Co Henry J. Green Belt & Dyer	Furniture Turpentine Thermometers	88.50
	Geo. F. Muth & Co	Turpentine	17. 21 41. 00
	Henry o. Green	Sawdust	2.10

te.	Name.	Nature of payment.	Total
 19.	·		
18	American Type Founders' Co	Typewriter type Twine for printing office Roller copying bath	\$4 19
	J. P. Nawrath	Twine for printing office	19
	The Globe Co	Roller copying bath	6
	The J. F. W. Dorman Co	Stamps	8
	American Type Founders J. P. Nawyrath The Globe Co. The J. F. W. Dorman Co. W. R. Miller The Maurice Joyce Engraving Co.	Stamps Ink Electrotype plates for printing	3
	The Maurice Joyce Engraving Co	office.	45
	R. Carter Ballantyne W. C. Newton & Co	Paper Supplies Supplies, printing office Rags Cladboard	119 43
	W.C. Newton & Co	Supplies printing office	66
	Brodovialz Bros	Rare	14
	Easton & Runn	Cardboard	57
	Edw H Rose	Services and material	57 5
	City of East Tawas	Cardboard Services and material Installing electric signal lan-	15
		terns.	
	J. K. Attaway & Co	Flagstaff	40
	A. M. Marshall	do	55
- 3	Frank Crippen	Use of team	5
	Peter Raber	Hauling	4
	J. C. Entwistle	Engraving for printing office	5
	D. M. Malzaarah	do Use of team Hauling Engraving for printing office Printing bulletins Recasting rollers	9
	Frank Crinnan	Use of team etc	3 5
	E M Philehaum	Services	20
	J. K. Attaway & Co A. M. Marshall Frank Crippen Peter Raber J. C. Entwistle J. J. Lovett F. M. McKeough Frank Crippen E. M. Philebaum L. E. Stone D. M. Goulter	Use of team, etc. Services Repairing telegraph line do do do Londo	10
	D. M. Goulter Geo. Barron M. D. Lane W. P. Mills	do	7
	Geo. Barron	Services	6
	M. D. Lane	do	8
- 3	W. P. Mills	Lumber	5
		Telegraph services do Telephone service do Desconder transportation	7
	Fort Worth and Denver City Rwy. Co Chesterfield Telephone and Telegraph Co. Sunset Telephone and Telegraph Co	Telegraph services	26 7
	Support Tolorhope and Tolorraph Co.	Tolophone convice	15
	dodo	do	6
	Baltimore and Ohio R. R. Co	Passenger transportation	71
	do	do	27
19	Pay roll, San Francisco, Cal	Substation salaries	27 36 15 16
	Geo. A. Loveland	- do Substation salaries Office expenses	15
	J. E. Dooly	Office rent	16
	Central Investment Co	do	54
1	Pacific Telephone and Telegraph Co	Telegraph service	3 89
	T W & C B Sheridan	Supplies for printing office	
	Mack G Fritz	Typowriter deek	4
	J. H. Thiemever	Packing boxes	27
1	W. G. Hutchison Co	Shade, etc., for droplight	1
	Schneider Bros	Supplies	5
1	Chas. Cooper & Co.	Office rentdo do Telegraph servicedo Supplies for printing office Typewriter desk Packing boxes Shade, etc., for droplight Supplies Anhydrous ammonia Ink mucilace etc.	9
- 1	R. L. Bryan & Co	Ink, mucilage, etc	1
3	W. P. Mills	Oil	4 49
1	Chas I Grinnell	Supplies for furnishing office Services and material	25
1	Warren E Lamb	do	8
	J. P. Myers	Repairs to river gauge	8 7
	do Baltimore and Ohio R. R. Co do do Pay roll. San Francisco, Cal Geo. A. Loveland J. E. Dooly Central Investment Co Pacific Telephone and Telegraph Co. H. E. Wadsworth T. W. & C. B. Sheridan Mack G. Fritz J. H. Thiemeyer W. G. Hutchison Co Schneider Bros. Chas. Cooper & Co. R. L. Bryan & Co. W. P. Mills J. L. McIntire Chas. J. Grinnell Warren E. Lamb J. P. Myers. J. P. Myers. Julien Binford, jr L. M. Dalrymple Schneider Bros. Petermann & Wallber W. H. Campbell Jas. Richardson Ray Monroe D. Stormont M. F. Hayes C. C. Bond Alpheus Drinkwater E. D. Reinking Fred Albright A. Prinkwater	Repairs to river gauge  do Repairing motor Boxing maps Services and materials	15
	Julien Binford, jr	Repairing motor	1
	L. M. Dalrymple	Boxing maps	1
	Schneider Bros.	Services and materials	18
	W H Compbell	Repairing motor	7
	Jas Richardson	Resetting wind vane Services Use of team Transportation Drayage	6
	Ray Monroe	Use of team	2 5
	D. Stormont	Transportation	4
	M. F. Haves	Dravage	-
	C. C. Bond	Hauling.	3
	Alpheus Drinkwater	Repairing telegraph line	3.
	E. D. Keinking	Services	- 1
	A Drinkweter	Use horse	1
	A L Janueth	Sorvices	2.
	W. E. Lamb	Hauling Repairing telegraph line Services Use horse Repairing telegraph lines Services do Painting bulleting and mans	2. 5. 7.
	Owen & Weihbrecht & Co	Printing bulletins and mans	6.
20	E. D. Reinking Fred Albright A. Drinkwater A. L. Jaquetb W. E. Lamb Owen & Weihbrecht & Co. J. W. Smith W. F. Oliver W. F. R. Phillips Kent & Stuchfield J. R. Williams J. Connolly S. S. Lavender The Maurice Jovce Engraving Co.	Printing bulletins and maps Office expenses Traveling expenses do	8
	W. E. Oliver	Traveling expenses	7. 22. 3.
99	W. F. R. Phillips	do	22.
22	Kent & Stuchfield	Repairing rain gauges Services, etc	3.
	J. K. Williams	Services, etc.	0.
	S S Lavender	Repairs to lanterns	3.
	The Maurice Joyce Engraving Co	Services	3. 86
		THEORY DES. DITHUME ONICE	86.

Date.	Name.	Nature of payment.	Total.
1899.			
May 22	New York Central and Hudson River R. R. Co.	Passenger transportation	\$5.6
	R. R. Co. Great Northern Rwy. Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	70.0 11.3
		Office expenses Transportation	2.7
	Co. Baltimore and Ohio R. R. Co	do	100.9
	Baltimore and Ohio Southwestern Rwy.Co.	do  do	32.2 8.7 7.3 7.7
	do	dododo	7.5
	do	do	.8
	do do	dodododo	21.5 .2 1.4
	Wisconsin Central Lines Chicago and West Michigan Rwy. Co	do	1.4 2.9
	Chicago, Peoria and St. Louis R. R. Co	do	4.5
	Star Union Line	do	.6 4.5 2.2 2.5 7.2 1.6 3.2
	Vandalia Line. Georgia R. R. Co	do	1.6
	Cincinnati, Hamilton and Dayton R. R. Co. Peoria, Decatur and Evansville Rwy. Co.	dodododo	7.2 7.2
	Toledo, Peoria and Western Rwy. Co Grand Trunk Rwy. System	do	
	Steamer G. W. Danielson  Detroit and Mackinga Phys. Co.	dodo	4.1 2.5 2.0
	New York Central and Hudson River R. R. Co.	do	3.9
	Fort Worth and Denver City Rwy. Co Cleveland Terminal and Valley R. R. Co	do	1.4
	Baltimore, Chesapeake and Atlantic Rwy. Co. Baltimore and Ohio R. R. Co. Baltimore and Ohio Southwestern Rwy.Co. do. do. do. do. do. do. do. do. do. d	do	1.4 1.5 4.2
	Erie R. R. Co Portland and Rochester R. R. Co Webster R. R. Co	do do	4.1 4.8
	tucket Steamboat Co. Erie R. R. Co Portland and Rochester R. R. Co Wabash R. R. Co Florida Central and Peninsular R. R. Co Fremont, Elkhorn and Missouri Valley	do do	4.6
	R. R. Co. Flint and Pere Marquette R. R. Co.	do	1.5
	Atchison, Topeka and Santa Fe R. R. Cododo	do	10.0 51.6
	R. Co.  Flint and Pere Marquette R. R. Co.  Atchison, Topeka and Santa Fé R. R. Co.  do.  do.  Yazoo and Mississippi Valley R. R. Co.  Delaware, Lackawanna and Western R. R.	do do	9. 8 . 8
	Delaware, Lackawanna and Western R. R. Co.	do	3.
	Co. do St. Louis and San Francisco R. R. Codo do Missouri Pacific Rwy. Codo do do do do Burlington and Missouri River R. R. in Nebraska.	dodo	3. 9 1. 7
	do Missayyi Basifa Pryr Ca	do	1.0
	do	do	1. 6 3. 7 3. 8
	do Burlington and Missouri River R. R. in Ne-	do	1. 8 47. 8
	braska. Texas and Pacific Rwy CoSt. Louis and Southwestern Rwy. of Texas.	do	1.8 1.8
	braska. Texas and Pacific Rwy Co St. Louis and Southwestern Rwy. of Texas do Louisville, Evansville and St. Louis Consolidated R.R. Co Louisville, Evansville and St. Louis P. R.	do	1.0
	Co.		1.1
	Louisville and Nashville R. R. Codo	do	30. 1.3 1.0
	do B. A. Jackson Jno. R. Hulet Baltimore and Ohio R. R. Co Enterprise Telegraph Co Postal Telegraph Cable Co do	do	20.
23	Enterprise Telegraph Co	Telegraph servicedo	10.3 20.4 157.8

Date	Name.	Nature of payment.	Total.
1899. ay 23	Philadelphia, Reading and Pottsville Tele-	Telegraph service	\$11.
	graph Co. International Ocean Telegraph Co		
	do	do	208. 200.
	The Ohio Valley Telephone Co	Telephone service	19. 1. 6.
	Gulf Coloredo and Santa Fé Rwy Co	Repairing clock	6.
	Wm. K. Hulme	Stove	3.
	Harry T. Johnson	Traveling expenses	3. 5.
31	W. F. R. Phillips et al.	Salaries, climatology	264 2,578 3 1
ne 2	Geo. T. Todd	Office expenses	3.
	Wayland Bailey	do	1.
	S. M. Blandford	do	9.
	A.J. Mitchell	do	
	F. H. Brandenburg	do	8. 3. 9.
	J. F. Nichols	Traveling expenses	9.
	Goo G Harkness	do	13.
	R. G. Allen	do	26 26
	Chas. A. Hyle	do	5.
	D. F. Webber	Services	3
	graph Co. International Ocean Telegraph Co. do The Ohio Valley Telephone Co. Hutchinson & Hart Gulf, Colorado and Santa Fé Rwy. Co. Wm. K. Hulme Harry T. Johnson W. F. R. Phillips et al. Jno. P. Church et al Geo. T. Todd Wayland Balley. S. M. Blandford. A. J. Mitchell O. D. Stewart F. H. Brandenburg J. F. Nichols T. Fredk. Davis Geo. G. Harkness R. G. Allen Chas. A. Hyle D. F. Webber D. F. Thompson T. E. Boston W. H. Childs Richard Titus M. C. Baker & Son B. W. Bridges. Claude L. Friel E. G. Robinson Transfer Co Wyckoff, Seamans & Benedict E. W. Strange Nordman Bros L. Naegele & Sons. Western Union Telegraph Co B. A mmons M. G. Coleman Julien P. Friez Wm. F. Costin W. A. McKenzie Geo. Meier & Co R. B. Smith J. C. Solwers The Marine Review Publishing Co Pelovire Paper and Tyre Co	do	5 3 3 3
	W. H. Childs	do	3.
	Richard Titus	Danies 4	12
	B. W. Bridges	Repairs to typewriter	3
	Claude L. Friel	Printing crop bulletin	6.
	E. G. Robinson Transfer Co	Hauling	1 5
	Wyckon, Seamans & Benedict	Repairing typewriter	9
	Nordman Bros	Repairing clock	7. 2. 75.
	L. Naegele & Sons	Printing crop bulletin	75
	Western Union Telegraph Co	Use of team	4
	M. G. Coleman	Repairing clock	6 2
	Julien P. Friez	Supplies	98
	Wm. F. Costin	Answering signals, etc	21 4
	Geo Meier & Co	Lithographic ink	11
	R. B. Smith	Oil	1
	J. C. Stowers	Flagstaff	15
	Pelouze Paper and Type Co	Type	2 19
	do	do	27. 11.
3	Ohio Di an Mala la rai	do	11.
9	Geo. Meier & Co R. B. Smith J. C. Stowers The Marine Review Publishing Co Pelouze Paper and Type Co do do Ohio River Telephone Line Aurora and Friendship Telephone Line Northern Montana Telephone Co Alabama, Mississippi and Tennessee Telephone Co Alabama and Georgia Long-Distance Telephone Co	do de l'elephone service	8 2 23
	Northern Montana Telephone Co	do	23
	Alabama, Mississippi and Tennessee Tele-	do	6.
	Alahama and Georgia Long-Distance Tele-	ob	15.
	phone Co.		
	Carolina Midland Rwy. Co	Telegraph service	10
	pnone Co. Carolina Midland Rwy. Co. do Corvallis and Eastern R. R. Co. Isle of Wight Telephone and Telegraph Co. Chicago, Burlington and Northern R. R.	do	5.
	Isle of Wight Telephone and Telegraph Co.	do	2 5 2
	Chicago, Burlington and Northern R. R.	do	2
	Co. Oregon Short Line R. R. Co.	Passenger transportation	7
	Pennsylvania R. R. Co.	do	96. 32.
	Atchison, Topeka and Santa Fé Rwy. Co	do	32
	F P Chaffee	Office expenses	55. 1
	Frank H. Knight	Services	1.
	Fredk. Springmann	Transportation	24.
	Co. Oregon Short Line R. R. Co. Pennsylvania R. R. Co. Atchison, Topeka and Santa Fé Rwy. Co. Pay roll, New York, N. Y. F. P. Chaffee Frank H. Knight Fredk. Springmann Burlington and Missouri River R. R. in Nebraska.	do	10
	International and Great Northern R. R. Co.	do	10. 1.
	Texas and Pacific Rwy. Co	do	16
	International and Great Northern R. R. Co- Texas and Pacific Rwy. Co- Vandalia Line New York Central and Hudson River R. R.	do	16.
			7.
	do Wabash R. R. Co. Atchison, Topeka and Santa Fé Rwy. Codo	do	3. 1. 5.
	Wabash R. R. Co.	do	1.
	Tronison, Topeka and Santa Fe Rwy. Co		34

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\bf Cont'd}.$

	WEATHER BUREAU—GENERAL	L EXPENSES—Continued.	
Date.	Name.	Nature of payment.	Total.
1899. June 3	Atchison, Topeka and Santa Fe Rwy. Co- Denver and Rio Grande R. R. Co- do Colorado Midland Rwy. Co. Illinois Central R. R. Co- Wisconsin Central Lines. South Carolina and Georgia R. R. Co- Southern Rwy. Co. Cleveland. Cincinnati, Chicago and St. Louis Rwy. Co. do	Transportationdododododododododododododo	\$82. 13 96. 40 1. 10 36. 28 . 31 . 20 15. 70 17. 50
6	do Florida Central and Peninsular R. R. Co. do Union Typewriter and Supplies Co. The White. Corbin & Co. The J. F. W. Dorman Co. H. C. Bucklin W. F. White The Milwaukee Electric Rwy.and Light Co.	do do do supplies Envelopes for printing office Rubber stamps Washstand Water cooler Electric current	1.73 9.63 15.91 1.75 111.80 8.85 13.80 4.00 6.90
	The Central District and Printing Telephone Co. W. O. Luscombe Timothy Collins. Edwd. Manlove E. Randolph A. Roemer Duff Dodson Hubinger & Schmidt Jacob Hanson Chicago, Milwaukee and St. Paul Rwy. Co. do do Hannibal and St. Joseph R. R. Co. Fullman's Palace Car Co	Changing map symbols Cleaning carpet Printing Crop Bulletins, etc Recasting rollers Towel supply Flagstaffs Transportation	9.00 54.00 2.25 1.50 8.00 12.50 3.55 1.00 140.00 1.48 3.90 72 .62 5.00
7	do  Hannibal and St. Joseph R. R. Co. Pullman's Palace Car Co. Wisconsin Central Lines. Harry E. Overstreet Merchants and Miners' Transportation Co. Denver and Rio Grande R. R. Co.  do Louisville and Nashville R. R. Co. Baltimore and Ohio R. R. Co. Yazoo and Mississippi Valley R. R. Co. E. R. French Margaret Johnson. The Friedenwald Co Jas. E. Woodhouse E. D. Beattie E. M. Bowman E. B. & W. H. Eisenbrandt Louis Bader	do do do do do do do Services Cleaning office Engraving letter heads Services Printing monthly bulletins	. 62 . 80 2. 20 13. 40 3. 01 10. 90 10. 89 6. 80 8. 00 10. 00 10. 00 1. 00 72. 00
	E. M. Bowman E. B. & W. H. Eisenbrandt Louis Bader Hoke Engraving Plate Co do do California Ink Co New York Belting and Packing Co., Limited F. A. Fort. Detroit Electric Wiring and Repair Co. Hall, Headington & Co Jackson	Recoating plates do do Chalk plates, etc Ink Relting	38. 80 87. 50
8	Jacksonvitte and St. Johns Bar Telegraph Lines. Philadelphia, Reading and Pottsville Telegraph Co. Fort Worth and Denver City Rwy. Co. Fremont, Elkhorn and Missouri Valley R. R. Co. Western Union Telegraph Co. R. Carter Ballantyne. do. Geo.F. Muth & Co.	do do Passenger transportation Passenger transportation Paper Envelopes and inkstands	10. 47 25. 50 2. 27 13, 046. 68 372. 32 342. 06
12 14	Geo.F. Muth & Co. Jas. B. Lambie The Smith Premier Typewriter Co. J. Edward Turton Standard Oil Co. Royce & Marean Forsberg & Murray Western Union Telegraph Co. H. C. Frankenfield	Turpentine and rosin , Stepladder, etc. Typewriter symbols Instrument shelters Benzine for printing office Wire cord, etc. Services Telegraph service Traveling expenses	16.73 3.59 14.96 40.00 4.51 60.58 11.00 12,764.76 42.50

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 16	The Great Northwestern Telegraph Co.	Telegraph service	<b>\$1</b> 63.30
June 10	of Canada.		
	Carolina Midland Rwy. Co	dodododo	5.20 3.06
	Rwy. Co,	3	
	The New York Union Telegraph Co	do	12.53 4.90
	The New York Union Telegraph Co Alabama and Georgia Long-Distance Tele-	Telephone service	15.60
3	Alabama and Georgia Eolig-Distance Fele- phone Co. The Bell Telephone Co. of Buffalo M. C. Buzzett J. J. Lovett A. Drinkwater. Duluth Van Express and Storage Co Chas. Palmer	do	55
	M. C. Buzzett	Services	. 55 3. 25 11. 25
	J.J. Lovett	do Services Printing bulletins Repairing telegraph lines Hauling Repairing clock Recasting rollers Matches and mucilage Paper for printing office Supplies Coal and oil Wood Office expense do do	11.25 5.00
	Duluth Van Express and Storage Co	Hauling	5.00 1.00
- 1	Grant. E. Snyder & Co. Janssen Printing and Binding Co. Geo. Meier & Co. T. W. & C. B. Sheridan D. Stormont M. Cotter J. C. Bioner	Repairing clock	
	Janssen Printing and Binding Co	Matches and mucilage	4. 10 5. 00 3. 00 3. 00
	Geo. Meier & Co	Paper for printing office	3.00
	D. Stormont	Coal and oil	18.00 4.00 2.75 2.00 1.25 1.75 27.50
	M. Cotter	Wood	4.00
	M. Cotter J. C. Piercy J. C. Piercy Jessie A. Brown F. Z. Gosewisch J. S. King Machine Co G. G. Harkness Vicksburg, Shreveport and Pacific R. R. Co The Missouri Pacific Rwy. Co Michigan Central R. R. Co Burlington and Missouri River R. R. in Nebraska.	do	2.00
	F. Z. Gosewisch	Panaina to printing program	1.25
	G. G. Harkness	Repairs to printing press	27.50
	Vicksburg, Shreveport and Pacific R. R. Co	Passenger transportation	14.10
	Michigan Central R. R. Co	do	14.10 37.50 37.33
	Burlington and Missouri River R. R. in	do	48.45
	Nebraska. Steamer Perry	do	10.00
	Great Northern Rwy.Co	do	10.05
17	American Type Founders Company	Rubber stamp	23.85
	Geo. W. Begg	do Rubber stamp Type Washing towels	2.00
1	R. F. Becker Miles City Transfer Co	Moving office etc	2.57 2.00 2.00 23.00
	Nebraska Steamer Perry Great Northern Rwy. Co The J. F. W. Dorman Co. American Type Founders Company Geo. W. Begg R. F. Becker Miles City Transfer Co California Ink Co. Union Typewriter and Supplies Co W. J. Hislop Jno. Derby. Patterson & McTaggert do Blake McFall Co Chas. W. Vaughan Percy V. Carson Fred Albright	Washing to the services Moving office, etc. Casting rollers Repairing typewriter Erection of instrument shelters	1.95 10.00
	Union Typewriter and Supplies Co	Repairing typewriter	10.00
	Jno. Derby	Services and material	79.10 5.00 2.50
3	Patterson & McTaggert	Typewriter pad	2.50
	Blake McFall Co	Paper	. 50 9. 60
	Chas. W. Vaughan	Water cooler	2.15 2.50
	Fred Albright	Use of horse repairing tele-	4.00
	Taxas and Pacific Rwy Co	graph line.	4 95
	Vandalia Line	do	4. 25 . 74 2. 75 42. 71 15. 05 7. 60
	C. M. Olson  Baltimore and Objo Southwestern Pwy. Co.	do	2.75
Î	Missouri and Pacific Rwy. Co	do	15.05
	Star Union Line	do	7.60
	Mobile and Birmingham R. R. Co	do	10. 49 . 96 1. 34 2. 66
1	Florida Central and Peninsular R. R. Co	do	1.34
	Louisville and Nashville R. R. Co	do	1.10
	Union Typewriter and Supplies Co W.J. Hislop Jno. Derby. Patterson & McTaggertdo Blake McFall Co Chas. W. Vaughan Percy V. Carson Fred Albright  Texas and Pacific Rwy. Co Vandalia Line C. M. Olson Baltimore and Ohio SouthwesternRwy. Co Missouri and Pacific Rwy. Co Star Union Line Mobile and Birmingham R. R. Codo Louisville and Nashville R. R. Codo Louisville, Evansville and St. Louis Con- solidated R. R. Co Chicago, Rock Island and Pacific Rwy. Codo	do	2. 22 1. 11
	solidated R. R. Co.		
	Chicago, Rock Island and Pacific Rwy. Co.	do	4.40
	Chicago and Northwestern Rwy. Co	do	1.80 .91
	Chicago, Milwaukee and St. Paul Rwy, Co.	do	. 40 . 63
19	Broderick Bros	Rags, printing office	14.00
	solidated R. R. Co. Chicago, Rock Island and Pacific Rwy. Co do. Chicago and Northwestern Rwy. Co Chicago and Northwestern Rwy. Co Chicago and Eric R. R. Co. Broderick Bros G. W. Offutt M. G. Copeland & Co. W. C. Newton & Co	Rags, printing office Kerosene oil Flags Recasting rollers, etc Type, etc Publications Card holders Printing bulletins Repairing telegraph lines Services	4. 16 953. 00 90. 30
	W. C. Newton & Co	Recasting rollers, etc	90.30
	W. C. Newton & Codododowm. Ballantyne & Sons	Type, etc	77.87 .85 764.28
21	The Chicago Stamping Co	Card holders	764. 28
	Claude L. Friel	Printing bulletins	10.00
	Wm, Honchen	Services	10.00 12.25 5.00
	The Bryan Printing Co	Services Printing bulletins.	32.00
	LIBS W Parest	Supplies	2.00

Date,	Name.	Nature of payment.	Total.
1899.			
June 21	Adam Glass	Bookcase	\$22.00
22	Corvallis and Eastern R. R. Co	Bookcase Water cooler Telegraph service	9.00 2.60
	Alex H. Revell & Co Corvallis and Eastern R. R. Co Great Northwestern Telegraph Co. of Canada.		151.48
	Canada.  Ocean Towboat Line  Aurora and Friendship Telephone Line Ohio River Telephone Line Alabama, Mississippi and Tennessee Telegraph Co.	Telephone service	1.00
	Ohio River Telephone Line	do	2.50 7.50
	Alabama, Mississippi and Tennessee Tele-	do	6.50
26	graph Co.	Tile at water was all at an	05 55
20	The Maurice Joyce Engraving Co	Electrotype plates, etc	27.55 82.33
	do Chas Becker	White lead Glycerin Blank books, etc	1.04 1.75
	Mackall Bros	Glycerin	$\frac{1.75}{203.00}$
	Belt & Dyer	Sawdust	203.00
	Chas Becker Mackall Bros Jno. C. Parker Belt & Dyer J. C. Entwistle Thos. Somerville & Sons Wyckoff, Seamans & Benedict J. Baumgarten & Sons Annie Reed.	Sawdust Engraving Iron pipes, etc. Types and card Stamp Services	2.10 5.00
	Thos. Somerville & Sons	Iron pipes, etc	8.45 46.98
	J. Baumgarten & Sons	Stamp	2.25
30	Annie Reed	Services	2. 25 15. 00
	Wm G Pums	Office or popular	10.00 3.51
	L. M. Pindell	dodo	2.80
	Al. Brand	do	2.80 3.19
	F H Brandenburg	do	8.00 4.20
	J. S. Hazen	do	1.00
	W. E. Fetthouse	Traveling expenses	1.00 12.75
	Annie Reed C. E. Melton Wm. G. Burns L. M. Pindell Al. Brand Allen Buell F. H. Brandenburg J. S. Hazen W. E. Fetthouse W. F. R. Phillips Jno. P. Church	Salaries	244, 80 2, 493, 45
	Total fourth quarter		82, 132. 84
	Supplemental.		
July 3		Substation salaries	27.00
· ·	Louis Prior	Substation, salaries	9.00 19.50
	Allie M. Adie	do	19.50 4.50
	do	do	1 50
	Pay roll, Montgomery, Ala Louis Prior Allie M. Adie C. J. Oyler do Chas. A. Blumner E. F. Weilie R. G. Goffin Wm. A. Johnson Geo. Buckingham Harry B. Nichols Rosell H. Dunbar L. G. Schultz D. P. McCallum W. S. Currier A. H. Bell E. H. Nimmo	do	15. 00 18. 00 9. 00 30. 00
	R. G. Goffin	do	9.00
	Wm. A. Johnson	do	30.00
	Harry R Nichols	Traveling expenses	3. 00 6. 95 19. 75
	Rosell H. Dunbar	dodo	19. 75
	L. G. Schultz	Office expenses	1.00
	W S Currier	do	2. 00
	A. H. Bell	do	1.00
	E. H. Nimmo	Oil matches ata	1.00
	Chicago Auditorium Association.	Office rent	2.49 450.00
	Walla Walla Lodge, No. 56, I. O. O. F.	do	79.92
			00 00
	Jno. L. McCague and Wm. L. McCague	do	83.33
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport	do	83.33 79.44 75.00
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co	do do do	83. 33 · 79. 44 75. 00 23. 67
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding	do	83.33 · 79.44 75.00 23.67 14.00 87.50
	Jno. L. McCague and Wm. L. McCague. A. J. Knight E. J. Davenport. Cedar City Furniture Co. A. W. Kennie Edgar Harding E. H. Jamieson	do	83. 33 · 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co	do	89. 33 • 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00 106. 11
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk Va	do	83. 33 · 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00 106. 11 77. 50 131. 25
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co	do	83. 33 · 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00 106. 11 77. 50 131. 25 87. 50
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & fiams Asher Marks administrator	do	88. 33 · 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00 106. 11 77. 50 87. 50 90. 00 77. 25
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson		88. 33 · 79. 44 75. 00 23. 67 14. 00 87. 50 120. 00 106. 11 - 77. 50 87. 50 90. 00 77. 25 45. 00
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs		88, 33 79, 44 75, 00 23, 67 14, 00 87, 50 120, 00 106, 11 77, 50 131, 25 87, 50 90, 00 77, 25 45, 00 15, 00 115, 00
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs The Farmers' Bank of Fresno. O. I. Mairs.		88, 38 79, 44 75, 00 28, 67 14, 00 87, 50 120, 00 106, 11 77, 50 131, 25 87, 50 90, 00 77, 25 45, 00 115, 00 175, 50
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs The Farmers' Bank of Fresno O. I. Mairs. R. McLaughlin		88, 33 79, 44 75, 00 23, 67 14, 00 87, 50 120, 00 106, 11 77, 50 90, 00 77, 25 45, 00 115, 00 115, 00 67, 50 150, 00
	Jno. L. McCague and Wm. L. McCague. A. J. Knight E. J. Davenport. Cedar City Furniture Co. A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co. Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co. Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs The Farmers' Bank of Fresno. O. I. Mairs. R. McLaughlin Tyree & Wilkins, agents		88, 33 · 79, 44 · 75, 00 23, 67 14, 00 87, 50 120, 00 106, 11 · 77, 50 90, 00 77, 25 45, 00 115, 00 67, 50 67, 50 67, 50
	Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport. Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs The Farmers' Bank of Fresno O. I. Mairs. R. McLaughlin Tyree & Wilkins, agents Pacific Club The Gamble Desmond Co.		88.33 79.44 75.00 23.67 14.00 87.50 120.00 106.11 77.50 131.25 87.50 90.00 77.25 45.00 115.00 67.50 67.50 67.50 67.50 67.50
	W. S. Currier A. H. Bell E. H. Nimmo J. F. Conrad Grocery Co. Chicago Auditorium Association Walla Walla Lodge, No. 56, I. O. O. F. Jno. L. McCague and Wm. L. McCague A. J. Knight E. J. Davenport Cedar City Furniture Co A. W. Kennie Edgar Harding E. H. Jamieson Ed. S. Hughes & Co Isaac Bloch Citizens Bank of Norfolk, Va. Columbia Building Co Bunce & Iiams Asher Marks, administrator B. D. Johnson B. M. Jacobs The Farmers' Bank of Fresno. O. I. Mairs. R. McLaughlin Tyree & Wilkins, agents Pacific Club The Gamble Desmond Co Otto B. Hart H. H. Taylor, agent A. C. Rockliff		88, 33

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# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

Date.	Name.	Nature of payment.	Total.
	. Supplemental—Continued.		
1899. aly 3	Guarantee Building Co	Office rent	\$125.
uly 5	Maggie French	do	74.
	C. M. Beeson	do	74. 97.
	Fred Arnold	do	75.
	Chas. M. Boucher	do	45. 28.
	T. B. Catron	do	105.
	Peter Sonna	dodo	120. 22. 12.
	do Louisville and Nashville R. R. Co	Transportation	22. 12
	Baltimore and Ohio R. R. Co	do	1.
	Guarantee Building Co Maggie French C. M. Beeson Fred Arnold Conrad National Bank Chas. M. Boucher T. B. Catron Peter Sonna Louisville and Nashville R. R. Co Baltimore and Ohio R. R. Co Duluth, South Shore and Atlantic Rwy. Co.		1.
	Baltimore and Ohio Southwestern Rwy.	do	2. 10.
	Co. Colorado River and Puget Sound Naviga- tion Co.	do	
	Wisconsin Central Lines	do	
	Atlanta, West Point R. R. and Western	do	13.
5	Wisconsin Central Lines Atlanta, West Point R. R. and Western Rwy. of Alabama. Jacksonville and St. Johns Bar Telegraph	Tolograph convice	0
9	Line.	Telegraph service	6.
	Philadelphia, Reading and Pottsville Tele-	do	11.
	International Ocean Telegraph Co	do	198.
	Carolina Midland Rwy. Co	do	3. 8.
	Isle of Wight Telephone and Telegraph	do	5.
	Co.		
	Fort Worth and Denver City Rwy. Co Cumberland Telephone and Telegraph Co. New York, New Haven and Hartford R. R. Co.	do	28. 128. 27.
	Now York Now Haven and Hartford P	Telephone service	128.
	R. Co.	rassenger transportation	21.
6	The Inland Telephone and Telegraph	Telephone service	9.
	Pennsylvania Telephone Co- The Southern New England Telephone Co- Ontario Telephone Co- The Empire State Telephone and Tele- graph Co-	do	20.
	Ontario Telephone Co.	do	31.
	The Empire State Telephone and Tele-	do	7. 15.
	graph Co.		20.
	Pacific Telephone and Telegraph Co	do	25.
- 1	The Bell Telephone Co of Philadelphia	do	6. 30.
1	Missouri and Kansas Telephone Co.	do	18.
	Union Ice Co	Ice	9.
	Marais Lumber Co	Electric current	8.
	The Friedenwald Co	Manila papar wyannara	7. 23.
	do	Tissue paper	294.
	The J. F. W. Dorman Co.	Rubber stamps	1. 18.
	Geo. Meier & Co	Ink for printing office	18.
- 13	Addressograph Co	Type etc printing office	54.
	The Empire State Telephone and Telegraph Co. Pacific Telephone and Telegraph Co. Sunset Telephone and Telegraph Co. The Bell Telephone Co. of Philadelphia Missouri and Kansas Telephone Co. Union Ice Co. Marais Lumber Co. Marquette City Light and Power Co. The Friedenwald Co. do. The J. F. W. Dorman Co. Geo. Meier & Co. Hall, Headington & Co. Addressograph Co. Lamoni L. Jones Julien P. Friez. do.	Services and material	4. 25.
	Julien P. Friez	Supplies for station	40
	Amelia Mel ean	Washing towals	3. 3. 30.
	The State Journal Co.	Supplies for station Stop clocks Washing towels Printing crop bulletins Repairs to typewriter do Drayage Cleaning office Office expenses do Traveling expenses Services do Substations, salaries do	30
	Shreveport Cycle Co	Repairs to typewriter	8.
- 1	M. J. Parker	do	5.
	Virgil Coomer	Cleaning office	25.
7	Eliza L. Renoe	Office expenses	3.
	W.H.Scholl	do	
	Zetta Higgins	Traveling expenses	10.
	J. W. Branan	do	30. 15.
	Pay roll, Woods Hole, Mass	Substations, salaries	15. 60.
	Pay roll, New Haven, Conn	do	48.
	Lamoni L. Jones Julien P. Friez  do Amelia McLean The State Journal Co. Shreveport Cycle Co M. J. Parker Neil Ferguson Virgil Coomer Eliza L. Renoe W. H. Scholl Geo. H. Willson Zetta Higgins J. W. Branan Pay roll, Woods Hole, Mass Pay roll, New Haven, Conn Pay roll, Norfolk, Va Pay roll, Chicago, Ill do United States Express Co	do do do do Transportation do Repairs to typewriter Services Oil for printing office	105.
	do	do	440. 796.
	United States Express Co	Transportation	99.
	Adams Express Co	do	50.
11	do United States Express Co Adams Express Co Fredk. Springmann Wyckoff, Seamans & Benedict Forsberg & Murray Standard Oil Co	Panajua to typowitin	10.
	Forsberg & Murray	Services	11. 3.
		~~. 1000	0.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1899. ily 11	Geo. F. Muth & Co.	I amns and lantarns	e.s
ily II	M. Du Perow	Lamps and lanterns Supplies Desks Drayage Laundry servicedo Flagstaff Moving flagstaff Repairing typewriter Window shades Painting, etc. office rooms, etc.	\$5.
	M. Du Perow W. B. Moses & Sons Wm. McLaughlin Knight & Rosenkrans.	Desks	184. 1. 1.
12	Wm. McLaughlin	Drayage	1.
	Knight & Rosenkrans	Laundry service	1.
	Knight & Rosenkrans P. C. Shaw Wallace Wood Henry Puehler The Smith Premier Typewriter Co Indianapolis Furniture Co Geo. Beesley Henry Behrens & Co Frank K. Crippen R. G. Rodman C. H. Consolvo	do	6. 2. 8.
	Wallace Wood	Flagstaff	2.
	The Smith Duomier Transporter Co	Moving nagstan	11.
	Indianapolia Furnitura Co	Window shades	11.
	Geo Beesley	Painting etc. office rooms etc.	20. 40.
	Henry Behrens & Co	Painting, etc., office rooms, etc Painting, etc., river gauge Use of team, etc.	48
	Frank K. Crippen	Use of team, etc	5.
	R. G. Rodman	Service Washing towels, January to	2.
	C. H. Consolvo	Washing towels, January to	5. 2. 3.
		June.	
	Jno. J. Veeder	Services Hire of sailboat Services and material Moving office	4. 4. 26.
	Moses P. Cooper	Hire of sailboat	4.
	J. D. Lewis.	Services and material	26.
	P N Dehlborg	Populating typowyiton	120
	Jno. J. Veeder Moses P. Cooper J. D. Lewis. M. J. Haisler R. N. Dahlberg Payot, Upham & Co. Lynchburg Telephone Co. The Bell Telephone Co. of Buffalo The Central District and Printing Telegraph Co.	Repairing typewriter Services and material Telephone service do do	3
	Lynchburg Telephone Co	Telephone service	3
	The Bell Telephone Co. of Buffalo	do	3 12
	The Central District and Printing Tele-	do	9.
	graph Co.		
	Southern States Telephone Co	do	7. 9. 10.
	Cumberland Telephone and Telegraph Co.	do	9.
	do	do	10.
	Santa Fe Electric Telephone Co	do	6.
	Sunset Telephone and Telegraph Co	do	6 9
	The Northwestern Telephone Exchange.	do	18
	Michigan Talaphona Co	do	8
	Citizens' Telephone Co	do	8 6. 3.
	Southern Bell Telephone and Telegraph Co.	do	ă
	do	do	10
	do	do	7
	Southwestern Telephone and Telegraph Co	do	15
	L. C. Fletcher	Bookcase	7 15 20
	W. F. Richards	Flagstaff	50. 3. 2.
	Barnhard Bros. & Spindler	Type, etc.	3.
	M. W. Morrow	Post-omce box	2.
	graph Co. Southern States Telephone Co Cumberland Telephone and Telegraph Co. dodo Southern States Telephone Co Sunset Telephone and Telegraph Co. The Northwestern Telephone Exchange The Island Telephone and Telegraph Co. Michigan Telephone Co. Citizens' Telephone Co. Southern Bell Telephone and Telegraph Co. do Southwestern Telephone and Telegraph Co. L. C. Fletcher W. F. Richards Barnhard Bros. & Spindler M. W. Morrow Parkersburg Transfer Co. Citizens Bank of Norfolk, Va. Grant Rivenburg Consumers Electric Light and Street B. B.	Ampines	12
	Grant Rivenhurg	Awnings Ice Electric lights	2
	Grant Rivenburg Consumers Electric Light and Street R. R.	Electric lights	2 5
	Co.	Bicottic lights:	
	Guaranty Building Co	do	9
	Ludington Electric Light and Power Co	do	5
	Indianapolis Light and Power Co	do	9 5 18
	Co. Guaranty Building Co Guaranty Building Co Ludington Electric Light and Power Co. Indianapolis Light and Power Co. The Corpus Christi Electric Co. Albert A. Brager T. E. Howes & Co. Buxton & Skinner Stationery Co. H. C. Beeson Aaron Sargent Jas. Evans Ella Beahan Geo. L. Lovett E. C. Vose Geo. R. Oberholzer Pay roll, Parkersburg, W. Va. Pay roll, New York, N. Y Pay roll, Shreveport, La Jno. T. Myers E. Whitehurst E. B. Richards Jas. J. Gray Chey M. Strayer	do	6. 3
	Albert A. Brager	water cooler	6
	Payton & Skinner Stationer Co	Ink, 011, etc	ð
	H C Beegen	Resear's Marine Directories	35 12 · 9
	Agron Sargent	Services	12
	Jas. Evans	do	. 9
	Ella Beahan	do	g.
	Geo. L. Lovett	Office expenses	
	E. C. Vose	do	3
	Geo. R. Oberholzer	Traveling expenses	17. 177. 55.
	Pay roll, Parkersburg, W. Va	Substation salaries	177
4.1	Pay roll, New York, N. Y	do	55.
14	ray roll, Shreveport, La	Convious	42.
	F Whitchurst	Services	10.
	E. R Richards	Servicesdo Office expenses	9
	Jas J Grav	do	2
	Chas. M. Strong	do d	15. 12. 9. 2. 2. 4.
	Geo. A. Loveland	do	4.
	E. B. Kichards Jas. J. Gray Chas. M. Strong Geo. A. Loveland Geo. N. Wilson W. H. Fallon Herman Drinkwater Alpheus Drinkwater Pay Monage	do	
	W. H. Fallon	Traveling expenses	7.
	Herman Drinkwater	Repairing telegraph line	7. 2. 2.
	Alpheus Drinkwater	do	2.
	Ray Monroe State Journal Co F. W. Baier The S. A. Bristol Co	do	5.
	State Journal Co	Recasting rollers Repairing cylinder Printing weekly bulletin	5. 2.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1899.			
ly 14	Dearing & Hull Walter Morley Jno. Longstaff	Repairing typewriter Repairing river gauge Printing bulletins	\$6.
	Walter Morley	Repairing river gauge	18. 27.
			äį.
	E. L. Page O. J. Glenn	do do	5. 3
	C. J. Page O. J. Glenn D. Stormont Cumberland Telephone and Telegraph Co. Malachi Corbel P. D. Cunningham Mangrum & Otter Schneider Bros Eliza L. Renoe T. M. Jeffris & Co Geo. E. Shaw Thos. Somerville & Sons Jno. C. Parker do Jas. S. Sebree Union Trust Building Co., Limited Northwestern Mutual Life Insurance Co Portland Trust Co. of Oregon Colley & Wright M. E. Conway Cone & Kimball Co C. S. McLaury, I. L. McLaury and P. A. Johnson Lorenzo Littlefield	Hauling do do Telegraph supplies Telegraph service Drayage Supplies for typewriter Stove board, etc. Kite supmometer	3. 24.
	Cumberland Telephone and Telegraph Co.	Telegraph service	23.
	Malachi Corbel	Drayage	23. 1.
	P.D. Cunningham	Supplies for typewriter	3.
	Mangrum & Otter	Stove board, etc	3.
	Schneider Bros.	Office ment	20. 100.
	T M Jaffric & Co	do	100.
	Geo. E. Shaw	do	70.
17	Thos. Somerville & Sons	Supplies	9. 132.
	Jno. C. Parker	Cardboard for printing office	132.
	do	Stencil paper	300.
	Jas. S. Sebree	Office rent	36.
	Union Trust Building Co., Limited	do	275. 100.
	Portland Trust Co. of Orogan	do	210.
	Collar & Wright	do	78
	M. E. Conway	do	78. 37.
	Cone & Kimball Co	do	99.
	C. S. McLaury, I. L. McLaury and P. A.	do	69.
	Johnson.		
	Lorenzo Littlefield	do	64.
	First National Bank, Portland, Me	do	126.
	Poins Puss	do	165. 73.
	Ino E Dooly	do	100.
	American Surety Co	do	625.
	Estate of Isaac Eberly	do	154.
	P. H Swearington	do	48.
	Orson Adams, jr	do	120.
	D. Horton	do	120.
	Jos. Gussenhoven	do	120.
	Ino Somon	do	150. 114.
	Margaret Parmentier	do	75.
	Fanny L. Keating	do	90.
	C. S. McLaury, T. L. McLaury and P. A. Johnson. Lorenzo Littlefield First National Bank, Portland, Me. Albert Marty Paine Bros. Jno. E. Dooly American Surety Co. Estate of Isaac Eberly P. H. Swearington. Orson Adams, jr D. Horton Jos. Gussenhoven Continental National Bank Jno. Semer Margaret Parmentier Fanny L. Keating Luke & Smith The Penn Mutual Life Insurance Co. H. S. Gilbert, Co., treasurer Geo. S. Waite Amarillo Improvement Co The Richmond Chamber of Commerce Bank and Insurance Building Co. The First National Bank of Moorhead, Minn. Catherine Wilson	do	75.
	The Penn Mutual Life Insurance Co	do	81.: 67.
	H. S. Gilbert, Co., treasurer	do	67.
	Geo. S. Waite	do	119.
	The Pichmand Chamban of Command	00	50.
	Rank and Insurance Ruilding Co	do	145. 100.
	The First National Bank of Moorhead	do	66.
	Minn.		00.
	Catherine Wilson	do	140.
	Chamber of Commerce Building Co	do	75.
	Ella W. Daniels	do	75. 75. 34.
	Real Estate and Law Building Co	do	34.
	The Society for Savings in the City of	do	91. 285.
	Cleveland, Ohio.		200.
	B. S. Williams	ob	55.
	H. W. Styron	do	38.
	The Indianapolis Gas Co	do	250.
1	H. Overholzer	do	250. 127.
	Kate F. Coke	do	60.
21	Warneld & Dann	do	75.
21	D Stormont	do	75. 2. 3.
	W. Broadwell	do	14.
	Mutual Ice Delivery Co.	do	1.0
	Mulgrew & Phillips	do	1.0 3.
	F. L. Ewing	do	3. (
	P. Minor	do	10.5
	C.G. Le Clair	do	1 (
	Son Antonio Ico Co	do	
	Blue Mountain Ice and Fuel Co	do	2. 4 3. 1
	S.J. Scoville	do	1. 5
	The First National Bank of Moorhead, Minn. Catherine Wilson Chamber of Commerce Building Co Ella W. Daniels. Real Estate and Law Building Co The Society for Savings in the City of Cleveland, Ohio. B. S. Williams H. W. Styron The Indianapolis Gas Co H. Overholzer Kate F. Coke Warfield & Dann Knickerbocker Ice Co D. Stormont W. Broadwell Mutual Ice Delivery Co Mulgrew & Phillips F. L. Ewing P. Minor C. G. Le Clair Jones & Powell San Antonio Ice Co Blue Mountain Ice and Fuel Co S. J. Scoville People's Gas Light and Coke Co Union Pacific R. R. Co	Gas	9.4
	Union Pacific R. R. Co.	Passenger transportation	30.0
		7	9.8

 $Expenditures of \, Department \, of \, Agriculture \, for \, year \, ending \, \textit{June 30, 1899} - \textbf{Cont'd.}$ 

1.200			
	Supplemental—Continued.		
1899. fuly 21	C D Little	Water	011
uly 21	C. D. Little F. G. Blaisdell Fulton Transfer Co	Waterdo	\$11. 9.
	Fulton Transfer Co	Drayagedo	
	McCormick & Bates  Isadore Sobel, postmaster  McIntosh Hardware Co  Consolidated Gas Co  Atlantic City Gas and Water Co  Buffalo Gas Light Co  Baleigh Gas Co	do	
	Isadore Sobel, postmaster	Post-office box	
	McIntosh Hardware Co	Wire	3.
	Consolidated Gas Co	Gas	2. 5.
	Atlantic City Gas and Water Co	do	2.
	Poloigh Cog Co	00	5.
	Raleigh Gas Co. Nashville Gas Light Co. Portland Gas Co. N.D. Winslow A. J. Schoettlin Mary C. Pratt et al. A. P. Eagleston E. A. Hurches	do	8. 7. 11.
	Portland Gas Co	ob	11
	N. D. Winslow	Gasoline	1 1 83 65
	A. J. Schoettlin	Benzine	ī
	Mary C. Pratt et al	Office rent	83
	Mary C. Pratt et al. A. P. Eagleston E. A. Hughes Charleston Consolidated Rwy., Gas, and Electric Co. Thes W. Powberton	do	65
	E. A. Hughes	Electric light	0
	Charleston Consolidated Rwy., Gas, and	do	
	Electric Co.	1	_
	Electric Co. Thos. W. Pemberton The Raleigh Electric Co. H. L. Pittock. P. H. Cheney & Sons Cumberland Electric Light and Power Co. Grand Haven Electric Light Co. Consolidated Electric Light Co. of Maine. Merchants and Manufacturers' Electric Light. Heat, and Power Co. O. C. G. Urban Columbia Water and Light Co. Lincoln Traction Co. Minnesota International Electric Co. C. F. Jones The J. F. W. Dorman Co. Thos. H. Carland. The Greater New York Toilet and Supply Co.	do	5
	H L Pittock	do	10
	P. H. Cheney & Sons	do	18
	Cumberland Electric Light and Power Co	do	15
	Grand Haven Electric Light Co	do	3
	Consolidated Electric Light Co. of Maine.	do	3 10
	Merchants and Manufacturers' Electric	do	5
	Light. Heat, and Power Co.		
	O. C. G. Urban	do	1
	Columbia Water and Light Co	do	$\frac{2}{13}$
	Minnogote Intermetional Floatric Co	00	15
	C F Jones	Conviges	15 10
	The J F W Dorman Co	Rubbon stamps	15
	Thos H Carland	Printing supplies	9
	The Greater New York Toilet and Sup-	Towel supply	15 2 2
	The Greater New York Toilet and Supply Co. Dora Moyen C. C. Randolph M. A. Graham Salt Lake Toilet Supply Co. The American Toilet Supply Co Opera House Laundry Nashville Laundry Co Louisville Towel Supply Co Max Levy Geo. Zopp The Marine Record Publishing Co. E. A. Little A. T. Winsor	a on or supply	
	Dora Moyen	Washing towels	6
	C. C. Randolph	Crop bulletins	6 93 1 1 2 2
	M. A. Graham	Washing towels	1
	Salt Lake Toilet Supply Co	do	1
	The American Toilet Supply Co	do	2
	Opera House Laundry	do	6
	Nashville Laundry Co	do	1
	Louisville Towel Supply Co.	do	1 6 20
	Max Levy	Service and material	2Ŏ
	Geo. Zopp	do	8 2 1
	The Marine Record Publishing Co	Supplies	2
	E. A. Little	Cleaning carpets	1
	A. T. Winsor J. F. Beck Claude L. Friel L. H. Jenkins	Printing bulletins	36
	Claude I Friel	Wasning towels	3
	L. H. Jenking	Services etc	11
10	C. F. Barber	Renairing typewriter	1
	R. W. Morrison Consolidated Co	Services and material	23
	A. Roemer	Printing Weekly Bulletin	. 10
	Wild & Stevens	Recasting rollers	3
	W. H. Brown	Hauling	3
	T. A. Burrier	Alterations to typewriter	3
	L. H. Jehkins C. F. Barber R. W. Morrison Consolidated Co. A. Koemer Wild & Stevens W. H. Brown T. A. Burrier New England Telephone and Telegraph	Service and material do Supplies Cleaning carpets Printing bulletins Washing towels Printing bulletins Services, etc Repairing typewriter Services and material Printing Weekly Bulletin Recasting rollers Hauling Alterations to typewriter Telephone service	12
	New England Telephone and Telegraph Co. The United Electric Light and Power Co- do Missouri and Kansas Telephone Co. Ac Raleigh Telephone Exchange Home Telephone Co Hudson River Telephone Co. Nebraska Telephone Co. Nebraska Telephone Co. Oregon Telephone and Telegraph Co. Columbia Telephone Co. The Oairo Telephone Co. New York and Pennsylvania Telephone and Telegraph Co. New York and Pennsylvania Telephone and Telegraph Co. Me W Telegraph Co.	Electric light	9.
	do	do	15
	Missouri and Kansas Telephone Co	Telephone service	18
	do	do	9.
	Raleigh Telephone Exchange	do	7.
	Home Telephone Co	do	6.
	Hudson River Telephone Co	do	15.
	Iowa Telephone Co	do	18. 9. 7. 6. 15. 6.
	Nebraska Telephone Co	00	15.
	Orogen Telephone Co	do	5.
	Columbia Telephone Co	do	5. 22. 10.
	The Ohio Valley Telephone Co	do	21
	New York and Pennsylvania Telephone	do	21. 9.
	and Telegraph Co.		0.
		do	13.

e.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
).	R. L. Lewis Michigan Telephone Co Geo. W. Finch The Cleveland Telephone Co Cumberland Telephone and Telegraph Co. The Woodford Telephone Co. Delaware and Atlantic Telephone and Telegraph Co. New York and Pennsylvania Telephone and Telegraph Co. The City and Suburban Telephone Co. La Crosse Telephone Co. Wisconsin Telephone Co. The Central District and Printing Telegraph Co.	Molecule and commission	015
21	Michigan Telephone Co	do	\$15 4 6 18
	Geo. W. Finch	do	6
	The Cleveland Telephone Co	do	18
	The Woodford Telephone Co.	do	23 5 12
	Delaware and Atlantic Telephone and	do	12
	New York and Pennsylvania Telephone	do	21
	and Telegraph Co.	-	
`	The City and Suburban Telephone Co	do	20
	Wisconsin Telephone Co	do	7 3
	The Central District and Printing Tele-	Telegraph service	34
	graph Co.	Tolophono compian	15
	dodo	do	1.5
	East Tennessee Telephone Co	do	9
	graph Co. Sunset Telephone and Telegraph Co.  do do do  The Southwestern Telephone and Telegraph Co.	do	10
	The Southwestern Telephone and Tele-	do	9
	graph Co.	2	4.5
	Black Hills Telegraph and Telephone Co	do	15 21
	Central Union Telephone Co	do	39
	Chesapeake and Potomac Telephone Co	do	3
	J. A. Hudson	do	ě
	Duluth Telephone Co	do	11 6 18
	Southwestern Telegraph and Telephone Co	dodo	19
	do	do	18
	Southern Bell Telephone and Telegraph Co	do	18
	dodo	do	20
	do	do	15
	The Southwestern Telephone and Telegraph Co.  do  Black Hills Telegraph and Telephone Co Central Union Telephone Co Chesapeake and Potomac Telephone Co People's Telephone and Telegraph Co J. A. Hudson Duluth Telephone Co Southwestern Telegraph and Telephone Co The Northwestern Telephone Exchange Co do  do  do  do  do  do  do  The Company Company Company Company Co Company	do	15
	do	do	18
22	do	dodo	20
44	Eliza C. Crocker	servicesdo	30
	Thos. A. Boon	do	30
	Ed Kendall	do	15 21
	E. E. Friday	do	21
	L. Rogers	do	15
	Baltimore and Ohio Southwestern Rwy, Co.	Passenger transportation	[
	Southern Bell Telephone and Telegraph Co	Telephone service	10
	Michigan Telephone Co	dodo	9
	do	do	51 20
	Thos. J. Campbell	Moving office	20
	California Truck Co	Drayage	
	L. Rogers D. D. Booze Baltimore and Ohio Southwestern Rwy. Co Southern Bell Telephone and Telegraph Co The Northwestern Telephone Exchange Co Michigan Telephone Codo Thos. J. Campbell Jas. Richardson California Truck Co. Chicago Auditorium Association J. G. Jenkins P. Connor	Services and material	- (
	J. G. Jenkins	Distilled water	
	J. W. Smith	do	11
	J. Warren Smith	do	6
	H. B. Hersey	do	4
	P. H. Smith	do	4
	Geo W Felger	do	5
	M. B. De Vane	do	1
	Marsden Wright	do	2
	J. W. Baner	do	~
	R. M. Hardinge	do	1
	E. A. Evans	do	6
	Pay roll, Mobile, Ala	Substation salaries	121
	do Thos J. Campbell Jas. Richardson California Truck Co. Chicago Auditorium Association. J. G. Jenkins P. Connor J. W. Smith J. Warren Smith Geo. T. Todd H. B. Hersey P. H. Smith Al Brand Geo. W. Felger M. B. De Vane Marsden Wright F. J. Walz. J. W. Bauer R. M. Hardinge E. A. Evans G. E. Lawton Pay roll, Mobile, Ala do Pay roll, Augusta, Ga Pay roll, Savannah, Ga -do Pay roll, Baltimore, Md	do	80
	Pay roll, Sayannah Ga	do	30 166
	3	a -	66 45

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1899-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.  Pay roll, Wilmington, N. C		
1899. 1ly 22	Pay roll, Wilmington, N. C.	Substation salaries	\$72
LIJ AA	do	dodo	\$72. 106.
	Pay roll, Chattanooga, Tenn	do	142.
	Pay roll, Memphis, Tenn	do	179.
	Pay roll, New Orleans, La	do	52
	Downell Charleston C C	do	181
	do	do	18 60 53
	Pay roll, Cleveland, Ohio	do	53
	Pay roll, Columbus, Ohio	do	252 32 124
	Pay roll, Sandusky, Ohio	do	32
	Pay roll, Portland, Oreg	do	124
	Pay roll, Portland, Me	00 	60 60
	Pay roll Ruffalo N V	do	87
	Pay roll, Narragansett Pier, R. I	do	87 90
	Pay roll, Omaha, Nebr	do	45
	Pay roll, La Crosse, Wis	do	63
	Pay roll, Boston, Mass	do	45 63 530 317
0.4	Pay roll, Pittsburg, Pa	00	317
24	Pay roll Atlanta Ga	do	136 136 164
	Pay roll, Little Rock, Ark	do	164
	Pay roll, Montgomery, Ala	do	106
	Pay roll, Louisville, Ky	do	272
	Pay roll, New Orleans, La	do	105
	Pay roll, Des Moines, Iowa	do	235
	Pay roll Venges City Mo	do	180
	Pay roll Omaha Nehr	do	272 218 5
25	Mount Washington Rwy. Co	Office rent	5
	Norwich University	Heat	7
	Excelsior Electric Čo	Electric light	1
	Norwich University	do	2
	C. P. Disney	Services	21
	B D Modigatt	do	21 30
	Pay roll Cairo III	Substation salaries	131
	Pay roll, New Orleans, La	do	84
	Pay roll, Pensacola, Fla	do	36
	Pay roll, Minneapolis, Minn	do	321
	Pay roll, Harrisburg, Pa	do	42 90 111
	Pay roll Relaigh N C	do	111
	Pay roll, Charleston, S. C.	do	86 52 42
	Pay roll, Atlanta, Ga	do	52
	Pay roll, Montgomery, Ala	do	42
	Pay roll, Nashville, Tenn	do	50
	Pay roll, Augusta, Ga	do	13 42 8
	Alex G McAdie	Traveling expenses	8
Ĭ	J. J. Kelliher	do	š
	L. N. Jesunofsky	Office expenses	1
	Jos. P. Bolton	do	
	J. P. Slaughter	do	1
	J.C. Hayden	do	
	W. H. Fallon	do	. 1
	W. T. Blythe	do	. 1
	E. H. Emery	do	10
	F. A. Carpenter	do	12 2 2
	T.S. Collins	oo	12
1	T S Outram	do	2
	N.D. Lane	do	~
26	Pay roll, Galveston, Tex	Substations, salaries	30
	Pay roll, Fort Smith, Ark	do	39
	Pay roll, New Orleans, La	do	15. 75.
	Ino S Barney	Services	19.
	Statesman Printing Co	Printing reports	92
	T. S. Collins T. S. Outram N. D. Lane Pay roll, Galveston, Tex Pay roll, Fort Smith, Ark Pay roll, New Orleans, La Pay roll, Jacksonville, Fla Jno. S. Barney Statesman Printing Codo M. B. Boon	do do Services Printing reports Washing towels Hire horse and cart do do	92
	M. B. Boon	Washing towels	30
	L. Rogers	Hire horse and cart	30
	Jas. R. Hobbs	do	1. 2.
	Jas. B. Boon Jas. R. Hobbs Jas. E. Woodhouse. Thos. F. Seitzinger The Friedenwald Co Alex E. Porter	Erecting instruments, etc.	165
	The Friedenwald Co	Services	165. 2. 5.
			~

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1899.		D	21
ly 26	Jacob Ruesch	Repairs to furnace Erection of instruments	\$4. 35
	I. C. Woy	Laying carnets	35. 5.
	S. A. Enholm	Repairing typewriter	3.
	Benjamin & Owen	do	8.
	The Brown, Eagar & Hull Co	do	4.
	W. P. Bryant	do	6.
	F. Fairbairn & Co	do	1.
	Wyckoff, Seamans & Benedict	Changing symbols on typewriter	1.
	The Edwd. F. Hartmann Co	do	4.
	Jno. M. Schurr	do	5. 5.
	do	do	10
	L. P. Cordell	do	10.
	Lverly & Smith	do	1 3
	W. H. Person	do	6.
	E. H. Bochner	do	1.
	American Type Founders Co	Casting rollers	4
	Knapp Bros	do	1.
	A. J. Goulter	Repairing telegraph lines	1.
	A. Drinkwater	do	3 3 150
	Jacob Ruesch. M. N. Huut L. C. Way S. A. Enholm Benjamin & Owen The Brown, Eagar & Hull Co. W. P. Bryant F. Fairbairn & Co. Wyckoff, Seamans & Benedict The Edwd. F. Hartmann Co. Jno. M. Schurr Smith Premier Typewriter Co. do. L. P. Cordell Lyerly & Smith W. H. Person. E. H. Bochner American Type Founders Co. Knapp Bros. A. J. Goulter A. Drinkwater C. M. Flink E. S. Levy W. W. Delby	do Office rent	1.50
	E.S. Levy W. W. Bailey Jos. A. Smith Mill Valley and Mount Tamalpais Scenic	do do	190
	Jos. A. Smith	do.	75
	Mill Valley and Mount Tamalpais Scenic	do	60 75 105
	Rwy.		100
13	F. D. Meiacle	do	105
	Wm. Chandler	do	84 56
	F. D. & F. H. Irish	do	56
	Brush Electric Light and Power Co	Electricity	15 10 10
	Galveston Gas Co	Gas	10.
	A A Pollog	Duomo and	10.
	Amarican Typo Foundars Co	Drayage	19
	do	Supplies for printing office	13.
	Chinnewa Hardware Co	Renairing roof of building	7.
	The Bell Telephone Co. of Buffalo	Telephone service	2
	Staunton Mutual Telephone Co	do	2. 37.
	Aurora and Friendship Telephone Line	do	2.
	Ohio River Telephone Line.	do	2. 7.
	Dakota Central Telephone Line	do	112.
	Pan Telephone Co	do	6.
	J. B. Mattingly	do	6.
	Jackson and Rich Square Telephone Co		. 30.
	Alahama Mississippi and Tannassaa Tolo	GO	7. 6.
	phone Co		0.
	Miami Telephone Co	ob	21.
	East Tennessee Telephone Co.	do	15.
	Cumberland Telephone and Telegraph Co.	do	123.
	Pittsboro and Moncure Telegraph Co	Telegraph service	5.
	Deseret Telegraph Co	do	5. 95.
	Corvains and Eastern R. R. Co	do	2.
g. 1	Mill Valley and Mount Tamalpais Scenic Rwy.  R. D. Meiacle Wm. Chandler F. D. & F. H. Irish Brush Electric Light and Power Co. Galveston Gas Co. W. H. Gussio A. A. Bolles American Type Founders Co. do. Chippewa Hardware Co. The Bell Telephone Co. of Buffalo Staunton Mutual Telephone Co. Aurora and Friendship Telephone Line. Ohio River Telephone Line. Dakota Central Telephone Line. Dan Telephone Co. J. B. Mattingly. Jackson and Rich Square Telephone Co. Iowa Telephone Co. Liowa Telephone Co. Liowa Telephone Co. East Tennessee Telephone Co. East Tennessee Telephone and Telegraph Co. Cumberland Telephone and Telegraph Co. Corvalis and Eastern R. R. Co. C. F. R. Wappenhaus Fredk. Springmann Michigan Telephone Co.	- Go do do Office expenses Transportation Telephone service do do Office rent	3.
9. J.	Michigan Talanhona Co	Transportation	6.
	Wisconsin Telephone Co	do	9.
	Sunset Telephone and Telegraph Co	do	18. 6.
	Tacoma Chamber of Commerce and Board	Office rent	60.
	of Trade:	OMICO TOMO	00.
	Pacific States Type Foundry	Supplies	2.
	Chas. C. Hayman	Services	2. 7.
	S. G. Spier	Alteration to typewriter	3.
	Wyckoff, Seamans & Benedict	Supplies Services Alteration to typewriter do Repairing to telegraph lines Recoating plates do do	2.
	D. Stormont	Repairing to telegraph lines	2.
	do do	Recoating plates	65.
	do	00	78.
	E D Reattie	Printing bullating	75. 36.
	Corvalis and Eastern K. K. Co. C. F. R. Wappenhaus Fredk. Springmann Michigan Telephone Co. Wisconsin Telephone Co. Sunset Telephone and Telegraph Co. Tacoma Chamber of Commerce and Board of Trade: Pacific States Type Foundry Chas. C. Hayman S. G. Spier Wyckoff, Seamans & Benedict D. Stormont Hoke Engraving Plate Co. do. do. E. D. Beattie Wm. E. Davis A. R. Taylor & Co. Da Costa Printing Co. E. H. Hoover W. H. Renear W. H. H. Smithdo	do do Printing bulletins. Alteration to typewriters Alteration to typewriters, etc. Printing bulletins Repairs to typewriters Use of teams do Drayage Gas	36.
3	A. R. Taylor & Co	Alteration to typewriters	1.
	Da Costa Printing Co	Printing bulleting	2. 29.
	E. H. Hoover	Repairs to typewriters	29. 7.
	W. H. Renear	Use of teams	6.
-	W. H. H. Smith	do	8.
	do	Drayage	
	The Milwaukee Gas Light Co New Orleans Gas Light Co	Gasdo	6.
			1

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1899.	Supplemental—Continued. Pay roll, Vicksburg, Miss. Pay roll, St. Louis, Mo. Pay roll, Vicksburg, Miss. Pay roll, St. Louis, Mo. L. M. Tarr Norman B. Conger O. C. Burrows. Geo. M. Chappel R. G. Allen W. H. Zoeller J. B. Marbury. H. W. Grasse I. M. Cline S. W. Glenn do do J. H. Smith A. E. Hackett Geo. B. Wurtz E. R. Demain J. J. Kelliher Fred. L. Johnson Chas. Stewart do	Substation salamics	<b>ታ</b> ምΩ
ug. 1	Pay roll St Louis Mo	Substation, salaries	\$79. 175.
	Pay roll Vielshurg Mice	do	110.
	Pay roll St Louis Mo	do	199
	I. M Tour	Office expenses	104.
	Norman B Congar	do	60. 182. 3. 1.
	O C Burrows	do	1.
	Geo M Channel	do	1.
	R. G. Allen	do	1. 7.
	W. H. Zoeller	ob	i.
	J. B. Marbury	do	5.
	H. W. Grasse	do	4.
	I. M. Cline	do	2
	S. W. Glenn	do	2. 1. 2. 2.
	do	do	1.
	do	do	2.
	J. H. Smith	do	2.
	A. E. Hackett	do	4.
	Geo. B. Wurtz	do	2.
- 19	E. K. Demain	do	2.
	J.J. Kelliner	00	26.
	Char Stawart	00	1.
	Chas Stewart do Jno Grover H. E. Wilkinson W. M. Wilson B. S. Pagne F. W. Conrad E. J. Glass O. C. Burrows	do Traveling expenses Office expenses	17
	Ino Grover	Office expenses	17. 12. 4. 13.
	H E Wilkinson	do	19
	W M Wilson	do	12.
	B S Pagne	do	13
	F. W. Conrad	Traveling expenses	7.
	E. J. Glass	do	28:
	O. C. Burrows	do	5. 20. 4.
2	J. A. Bradley C. W. Halsey C. F. von Herrmann	do do Office expenses	20.
	C. W. Halsey	do	4.
	C. F. von Herrmann	Office expenses	4.
	Alex. G. McAdie H. E. Smith	do	1.4
	H. E. Smith	do	4
	J. H. Phillips	Flagstaff	10.
	M. G. Coleman	Repairing clock	1 1
	G. T. Judd	Repairing typewriter	1.
	Dunn & Lemmon	Printing bulletins.	20.
	New York Telephone Co	Office expenses do do Tlagstaff Repairing clock Repairing typewriter Printing bulletins Rent of telephone Services	60.
3	Anna Faris	Servicesdo	18.
9	Win. E. Chidester	Contogo	7.
	Fred Albright	Use of home	4.
	R R Smith	Clasning river gauge	10.
	Thos C Brown	Renairing telegraph lines	3
	Western Union Telegraph Co	do	15
	E. A. Thomas	Repairing roof	3
	Jas. B. Gass, C. E	Cartage Use of horse Cleaning river gauge Repairing telegraph lines do Repairing roof. Services	3 10
	J. V. Alfriend & Co	do	7
	Jno W. Graham & Co	do Repairing typewriter Printing bulletins do	4.
	Horace G. Whitney	Printing bulletins	30.
	Ithaca Democrat	do	33
	L. Naegele & Sons	do	75. 1.
	Cnas. Mosbacher	Repairs to clock	1.
	Iowa Telephone Co	Telephone service	34.
	vermont Telephone and Telegraph Co	0.00	. 10
-	E. P. Jones	do	· 18
5 8	Pay roll Colvector Toy	Substation, sataries	44 331
11	Chicago Tolophone Co	Tolophono convico	501.
11	Cumberland Telephone and Telegraph Co	do	58. 30.
	The Bell Telephone Co. of Missouri	do	16
	Southern Bell Telephone and Telegraph Co.	do	16. 17.
	The Southwestern Telephone and Tele-	do	12
	Alex G. McAdie H. E. Smith J. H. Phillips M. G. Coleman G. T. Judd Dunn & Lemmon New York Telephone Co. Anna Faris Wm. E. Chidester The Pacfic Transfer Co Fred Albright R. B. Smith Thos C. Brown Western Union Telegraph Co. E. A. Thomas Jas. B. Gass, C. E J. V. Alfriend & Co. Jno W. Graham & Co. Horace G. Whitney Ithaca Democrat L. Naegele & Sons Chas. Mosbacher Jowa Telephone Co. E. P. Jones Pay roll, Galveston, Tex Chicago Telephone Co. Cumberland Telephone and Telegraph Co. The Bell Telephone Co. The Bouthwestern Telephone and Telegraph Co. The Southern Bell Telephone and Telegraph Co. Isle of Wight Telephone and Telegraph Co.		2.00
	graph Co. Isle of Wight Telephone and Telegraph	Telegraph service	3.
	Co.		
	Baltimore and Ohio R. R. Co	Passenger transportation	27.
	Baltimore and Ohio R. R. Co Pennsylvania R. R. Co	do	15. 8. 12.
			8.
	Texas and New Orleans R. R. Co	do	12.
	The Chesapeake and Ohio Rwy. Co	do	19.
	Texas and New Orleans R. R. Co The Chesapeake and Ohio Rwy. Co Northern Pacific Rwy. Co Louisville and Nashville R. R. Co Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. Michigan Central R. R. Co	do	28.
	Louisville and Nashville R. R. Co.	do	19.
	Pittsburg, Cincinnati, Chicago and St.	do	20.
	Louis Rwy Co		44.

Da	ate.	Name.	Nature of payment.	Total.
		Supplemental—Continued.		
18 Aug	99. g. 11	Texas and Pacific Rwy. Co	Passenger transportation	\$3.96
		The Stage Co	do	6.00 8.00
		The Bryan Printing Co	Printing bulletins	16.00
		Expressman's Delivery	Moving furniture	8.65
		Jno. A. Ubsdell	Services	25.00
		Edwards & Broughton	Casting rollers	2.10 6.50
		F. H. Clarke	Office expenses	1.78
	14	Texas and Pacific Rwy. Co. The Stage Co. Golding & Co. The Bryan Printing Co. Expressman's Delivery. Jno. A. Ubsdell Edwards & Broughton R. L. Millison F. H. Clarke. Broderick Bros. The Smith-Premier Typewriter Co. W. B. Moses & Sons Jas. B. Lambie. W. C. Newton & Co. do.	do Galley Printing bulletins Moving furniture Services Casting rollers. Repairs to typewriter Office expenses Rags Supplies Chairs Faucet Supplies do Ink and press boards for print-	2.10 6.50 1.78 14.00
		The Smith-Premier Typewriter Co	Supplies	. 35 18. 35
		Jas. B. Lambie	Faucet	1.25
		W. C. Newton & Co	Supplies	16.94
		do	Ink and press boards for print-	25.88 28.27
			ing office	
		W.J. Adler Maurice Joyce Engraving Co Adams Express Co do	Supplies Supplies for printing office Transportation do	.60 32.98 34.55 18.30
		Maurice Joyce Engraving Co	Supplies for printing office	32.98 24.55
	16	do	do	18.30
		do	do	13 15
	17	do do Royce & Marean N. B. Conger Hector L. Ball Wayland Bailey G. N. Salisbury Baltimore and Ohio R. R. Co Henry Bolton The Carborundum Co. Kansas Farmer Co J. J. Lovett.	do Brackets Traveling expenses	4.50 10.75 4.75
	11	Hector L. Ball	Traveling expenses do do Office expenses do Passenger transportation Office rent Wheel Printing bulletins do Moving office Drayage Repairing, etc., printing press Repairing river gauge	4, 75
		Wayland Bailey	Office expenses	2.00 13.15
		Raltimore and Ohio R. R. Co.	Passangar transportation	2.00
		Henry Bolton	Office rent	52.84
		The Carborundum Co	Wheel	2.09 30.00
		J. J. Lovett	do	9.00
	1	F. M. Long O. St. Germain Pavyer Printing Machine Works Jno. Grieser	Moving office	12.50
		O.St. Germain	Drayage	3,00
		Jno. Grieser	Renairing river gauge	. 60 9. 50
		E. R. Halley	do	12.50
	18	Jas. B. Lambie	Tallow for printing office Passenger transportation	2.25 7.50
	21	E. R. Halley Jas. B. Lambie Chicago and Alton R. R. Co New York Central and Hudson River R. R. Co.	dodo	6.00
		Co.		
		Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	33.00
		Missouri Pacific R. R. Co	do	12.10
		Oregon Short Line R. R. Co	do	12.10 2.55
		Geo. F. Muth & Co	Oil	16.00
		Alpena Electric Light Co	Electric light	6,00
		Geo. H. Willson	Office expenses	1.75 11,091.60
	22	Edgar P. Calvert	Traveling expenses	3.00
Sep	t. 2	Hector L. Ball	Traveling expenses	33. 25 2. 75 52. 50
		Wm. M. Dudley  Hope Engraving Plate Co	Office expenses	2.75
		Oregon Short Line R. R. Co Geo. F. Muth & Co. Alpena Electric Light Co Geo. H. Willson Western Union Telegraph Co Edgar P. Calvert Hector L. Ball Wm. M. Dudley Hope Engraving Plate Co do do do Lo do Lo do Lo do Lo do Lo do Lo Jo	do do do Oil Electric light Office expenses Services Traveling expenses Traveling expenses Office expenses Accoating plates do Substation, salaries	59.23
		Down well Alexand Will	dodo	65.00
		W. C. Hartwig	Substation, salaries Traveling expenses Passenger transportation Electrotypes Transportation	53.33 2.40
	5	Missouri, Kansas and Texas Rwy. Co	Passenger transportation	9,75
	8	Maurice Joyce Engraving Co	Electrotypes.	24.46 57.20
		do	transportationdo	57. 20 35. 25
	14	W.M. Fulton	do Office expensesdo	15.00
		H.B. Boyer	do	3.97
		P. F. Lyons	do	4.80 2.00
		F.F. Lyons Wyckoff, Seamans & Benedict Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. Jno Clarke	dodo	15.00
		Pittsburg, Cincinnati, Chicago and St.	Passenger transportation	18.90
	15	Jno. Clarke	Telephone service	6, 90
		Minneapolis, St. Paul and Sault Ste. Ma-	Telegraph service	17.32
		Cumberland Telephone and Talagraph Co	Telephone service	20.40
		The Winton Telegraph Co.	Telegraph service	7.70 36.14
		Michigan Telephone Co.	Telegraph service Telephone service do	36.14
		Louis Rwy. Co. Jno. Clarke Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. Cumberland Telephone and Telegraph Co. The Winton Telegraph Co. Michigan Telephone Co. Alabama and Georgia Long Distance Telephone Co. Barron County Telephone Co. W. H. Holmes	ao	15.70
			-	4 = 00
		Barron County Telephone Co	do	15.00 6.00

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,\ 1899-{\bf Cont'd}.$

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Date.	Name.	Nature of payment.	Total.
1899.	Supplemental—Continued.  North Montana Telephone Co. H. E. Wadsworth. Fort Worth and Denver City Rwy. Co. Georgetown and Lanes Telephone Co. The Kelley Island and Sandusky Cable Co. Put-in-Bay Telegraph Co. East Louisiana R. R. Co. Nebraska Telephone Co. New Bedford, Martha's Vineyard and Nantucket Steamboat Co. Terre Haute and Indianapolis R. R. Co. Consumers' Ice Co. St. Louis, Keokuk and Northwestern R. R. do.		
Sept. 15	North Montana Telephone Co	Telephone service	\$20.00
	Fort Worth and Denver City Rwy. Co	do	66.14 28.70 7.60 3.30
	Georgetown and Lanes Telephone Co The Kelley Island and Sandusky Cable Co.	do	7.60 3.30
19	Put-in-Bay Telegraph Co	do	14. 52 6. 50
19	Nebraska Telephone Co	Telephone service.	65.10
	New Bedford, Martna's Vineyard and Nantucket Steamboat Co.	Passenger transportation	. 75
	Terre Haute and Indianapolis R. R. Co	Ice	20. 25 3. 90
20	St. Louis, Keokuk and Northwestern R. R.	Transportation	4.20
	do	do	.13
	do	do	1.17
	do	do	. 46
	do	do	2. 13
	do	do	. 80 . 50
	do	do	.85
	Lower Coasts Packets	do	1.07 .50
	The Columbia Southern Rwy, Co	do	. 50
	Cincinnati, Hamilton and Dayton R. R. Co.	do	1.62
	Wabash R. R. Co	do	3. 94 1. 75
	International Steamship Co	dodo	1.75 1.13
	Narragansett Pier R. R. Co	do	2.37
	Burlington and Missouri River R. R. in	do	. 66
	Nebraska	dodo	11.77 29.15
	A. J. Stone & Bro.	do	1.25
	Carolina	do	10.98
22	Chesterfield Telephone and Telegraph Co.	Telegraph service	7. 55 7. 60 7. 28
Oct. 5	W. C. Newton & Co Postal Telegraph-Cable Co	Type Telegraph service	7. 28 359. 39
0	Southern Rwy. Co	do	5, 00 5, 45 7, 80
9 12	Ohio River Telephone Line	Telephone service	7.80
	Jacksonville and St. John's Bar Telegraph Line	Telegraph service	6. 50
	Philadelphia, Reading and Pottsville Tel-	Telephone service	$10.55 \\ 2.60$
3.4	Aurora and Friendship Telephone Line	D	
14	Rwy. Co	Passenger transportation	18.15
	Pacific Coast Steamship Co	Moving office Traveling expenses	30.00 65.00
	W. C. Hartwig	Traveling expenses	1.05
	Rwy. Co	Telegraph servicedodo	3.07
	Ohio River R. R. Co.	do	10.93 5.20 13.53
	J. F. Harper	do	13.53 5.54
20	Western Union Telegraph Co	do	4.02
21	The International Ocean Telegraph Co	Telegraph service	46, 38 327, 81
1	Philadelphia, Reading and Pottsville Telegraph Co-Aurora and Friendship Telephone Line. Nashville, Chattanooga and St. Louis Rwy. Co-P. Killorin. W. C. Hartwig. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co-do. Ohio River R. B. Co-J. F. Harper Chicago, Burlington and Quincy R. R. Co-Western Union Telegraph Co-Edison Sault Electric Co-The International Ocean Telegraph Co-transcripts Telegraph Co-St. Co-Box Canada. New England Telephone and Telegraph Co-Ot Canada.	do do do Electric lights Telegraph service do do	327.81 7.70 311.86
	of Canada.	4.	
	New England Telephone and Telegraph Co	do	30.45 15.30
25 26	W. C. Newton & Co Hoke Engraving Plate Co	Type, etc	15.30 2.91 37.50
Nov. 1	International Ocean Telegraph Co.	Telegraph service	140.00
2 3	of Canada.  New England Telephone and Telegraph Co.  Northern Telegraph Co.  W. C. Newton & Co.  Hoke Engraving Plate Co.  International Ocean Telegraph Co.  Estate of J. A. Fox.  Postal Telegraph-Cable Co.  Norfolk and Washington Steamboat Codo.	do do Type, etc. Recoating plates Telegraph service. Telephone service do Transportation do	6.00 403.08
3	Nortolk and Washington Steamhoat Co	Transportation	6.01

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

te.	. Name.	Nature of payment.	Total.
	Supplemental—Continued.		
9. . 3 4	Southern Rwy. Co	TransportationTelegraph servicedoTransportation	\$81. 12,942. 12,658.
	do	do	12,658.
6	Virginia and Truckee R. R. Co	Transportationdo	4.
	Pacific Coast Steamship Co. Carson and Colorado R. R. Co Galveston, Harrisburg and San Antonio	do	13. 13.
Ì	Carolina.	do	1.
	R. R. Co.	do	3 29.
	Nebraska.	_	11 13
	Delaware and Hudson Co	do	13
4	Detroit and Mackinac Rwy. Co	do	2 1
	do Delaware and Hudson Co Evansville and Terre Haute R. R. Co Detroit and Mackinac Rwy. Co Munesing R. R. Co Duluth, South Shore and Atlantic Rwy.	do	1 1
	Co. Chicago, Burlington and Quincy R. R. Co. Cincinnati, Hamilton and Dayton Rwy.		12. 4
, A	Co. Baltimore and Ohio Southwestern Rwy.		5.
	Co. Harry E. Overstreet St. Louis, Keokuk and Northwestern R. R. Co.		
	Lake Erie and Western Rwy. Co Kansas City, St. Joseph and Council Bluffs		
1	Michigan Central R. R. Co	do	$\begin{array}{c} 1\\19\\3\end{array}$
	Lake Shore and Michigan Southern Rwy.		6
	do Yazoo and Mississippi Valley R. R. Co Lake Shore and Michigan Southern Rwy. Co.	do do Passenger transportation	8
	Ct I amin and Can Francisco D D Ca	dodo	
	Atchison, Topeka and Santa Fé Rwy. Codododododododo.	do	9 9 10
	do	do	10
	Florida Central and Peninsular R. R. Codo	do	3
	The Atchison, Topeka and Santa Fé Rwy. Co. Savannah, Florida and Western Rwy. Co. Cleveland Terminal and Valley R. R. Florida Eastern Coast Rwy. Co. Atlantic Coast Line R. R. Co. Star Union Line Jno. C. Davis The Denver and Rio Grande R. R. Co. Boston and Albany R. R. Co. Portland and Rochester R. R. Co. Wabash R. R. Co.  do Fremont, Elkhorn and Missouri Valley R. R. Co.	do	5 7
	Cleveland Terminal and Valley R. R.	do	2
	Florida Eastern Coast Rwy. Co	do	2 2 4
	Star Union Line	do	9
	Jno. C. Davis The Denver and Rio Grande R. R. Co	do	9 6 7
	Boston and Albany R. R. Co	do	
	Wabash R. R. Co	- do	ĩ
	Fremont Elkhorn and Missouri Valley R	do	2 1 2 2 2
	R. Co. Chicago and West Michigan R. R. Co.	do	
	Chicago and Northwestern Rwy. Co	do	,1
	do	do	1 11 4
	R. Co. Chicago and West Michigan R. R. Co. Chicago and Northwestern Rwy. Cododododo The Cleveland Terminal and Valley R. R. Co.	do	1
	New York, Chicago and St. Louis R. R. Co- Star Union Line La Conner Trading and Transportation Co The Rio Grande Western Rwy	do	1
	The Rio Grande Western Rwy	dodododo	3 21
	The Fort Worth and Denver City Rwy Co- The Santa Fé, Prescott and Phoenix Rwy. Co	do	1

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1000	$Supplemental-{ m Continued}.$		
1899. Nov. 6	The Santa Fé, Prescott and Phoenix Rwy, Co Portland and Rumford Falls Rwy, Co Seattle and Neah Bay Transportation Co C. M. Olsen Oregon R. R. and Navigation Co Great Northern Rwy, Co New Bedford, Martha's Vineyard and Nantucket Steamboat Co	Passenger transportation	\$0.50
18	Portland and Rumford Falls Rwy. Co	do	33. 95
	C. M. Olsen	Dravaga	33. 98 1. 68
1	Oregon R. R. and Navigation Co	Transportation	. 50
13	Great Northern Rwy. Co	do	86.68
	New Bedford, Martha's Vineyard and Nan-	do	2.6
- 9	Delaware, Lackawana and Western R. R.	do	. 3
	Co.		. 04
	C. H. Mallory & Co	do	13.0
	Pennsylvania R. R. Co.	do	8. 70 32. 0
	Steamer G. W. Danielson	do	4.3
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	. 4
	South Carolina and Georgia R. R. Co	do	2. 4
	Alabama and Vicksburg Rwy Co	do	6.1
	Chesapeake and Nashville Rwy. Co	do	30. 7
	Co. C. H. Mallory & Co. Pennsylvania R. R. Co. Steamer G. W. Danielson. Cincinnati, Hamilton and Dayton Rwy. Co. South Carolina and Georgia R. R. Co. Gulf, Colorado aud Santa Fé R. R. Co. Alabama and Vicksburg Rwy. Co. Chesapeake and Nashville Rwy. Co. Baltimore and Ohio and Southwestern Rwy. Co.	do	30.7
	Rwy. Co.	do	15.2
	do Baltimore Steam Packet Co Nashville, Chattanooga and St. Louis Rwy.	do	10.2
	Nashville, Chattanooga and St. Louis Rwy.	do	2.85 2.85
	Co.	a.	4.00
	Pennsylvania R. R. Co	do	4. 3
	do	do	2. 4
	Rashville, Chattanooga and St. Louis Rwy. CodoPennsylvania R. R. Codo Mobile and Birmingham R. R. Co. Cincinnati, Hamilton and Dayton R. R. Co. Atlanta and West Point R. R. and Western Rwy. of Alabama. Pittsburg, Cincinnati, Chicago and St.	do	2.4 5.0
	Cincinnati, Hamilton and Dayton R. R. Co.	do	2.5
	Rwy, of Alabama.	αο	2.0
	Pittsburg, Cincinnati, Chicago and St.	do	.80
	Louis Rwy. Co.	1.	1.0
	do do	do	1. 3 2. 3
	do	do	. 8 4. 4
	do	do	4.4
	New Orleans and Northeastern K. K. Co	do	4.6
	Rwy. of Alabama. Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.  Texas and Pacific Rwy. Co.  do.  do.  New Orleans and Northeastern R. R. Co. Louisville and Nashville Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.0
	Louis Rwy. Co.		
	Vandalia Line do	do	4.8
	vandana Line	do	1.10
	Nashville, Chattanooga and St. Louis Rwy.	do	
	Co.	3-	0
	Alahama and Vickshurg R R Co	do	6.4
	Evansville and Terre Haute R. R. Co	do	3.0
	Louisville, Evansville and St. Louis Con-	do	3.0
	Mobile and Obje R. R. Co.	do	. 3
	dodo	do	. 4
	Illinois Central R. R. Co	do	3. 7 3. 7 1. 7
	do	do	1.7
	Illinois Central R. R. Co	do	16.3
	Hannibal and St. Joseph R. R. Co	do	. 3.8
	do	do	5.1
	ao	do	16. 3 3. 8 5. 1 2. 3 1. 6 2. 7 1. 5
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	2. 7
	do	do	1.59
	Chicago, Rock Island and Pacific Rwy. Co.	do	. 89 1. 55
	International and Great Northern R. R. Co	do	.6
	Baltimore and Ohio Southwestern Rwy. Co	do	. 81
10	Missouri Pacific Rwy. Co	do	8. 14 10. 40
10	Nashville, Chattanooga and St. Louis Rwy. Co. Wisconsin Central Line	do	10.40
	m		66, 227, 69

#### RECAPITULATION.

Second quarter. Third quarter. Fourth quarter	71, 958. 30 103, 848. 44 82, 132. 84
Total	351 529 31

#### WEATHER BUREAU-GENERAL EXPENSE-SALARIES.

е.	Name.	Nature of payment.	Total
3.			
19	E. T. Giers	Services	\$34
	C. T. Talman	do	34 61
20	W.B. Stockman	do	61
20	C.T. Talman W.B. Stockman Patrick McDonough Thos. Crawford Jno. N. Ryker B. D. Johnson H. G. McDonald W. C. McGuiness W. L. Day Jno. W. Byram Geo. Reeder N. D. Lane A. H. Bell Wayland Bailey G. W. Eddey R. L. Anderson J. J. Dosher J. C. Piercy J. C. Piercy J. C. Hayden	do	48 40
	Jno N. Ryker	do	51
30	B. D. Johnson	do	25
	H. G. McDonald	do	47
	W. C. McGuiness	do	84 101
	Ino W Byrom	do	101
	Geo. Reeder	du	101 101 101 101
	N. D. Lane	do	101
	A. H. Bell	do	101
	Wayland Bailey	dodo	101 92 70
)	G. W. Eddey	do	92
	I. I. Dochor	do	60
	J. C. Piercy	do	101
	J. C. Hayden	do	70
	J. C. Hayden Chas. Stewart E. C. Hobbs	do	101
	E. C. Hobbs	do	92 25
	M. B. De Vane J. P. Bolton	do	101
	P. B. Daly	do	39
	Marie R. Wood	do	32 20
	Geo. Howard	dodo	3
	A. C. Nelson R. M. Hardinge	do	1
	R. M. Hardinge	do	109
	W H Davon	do	3
	P. W. Hixon W. H. Pryor J. J. O'Donnell	do	84 101
	Al. Brand	do	101
	B. M. Jacobs	do	25
	C. T. Kryder F. R. Beahan	do	62
	Geo. L. Lovett	do	25 62 92 25
	R. Frank Young	do	101
	D II D l	3 -	60
	J. P. Fallihee Danl. C. Murphy Jno. J. McLean Robt. G. Allen C. W. Ling Fred. Z. Gosewisch Geo. W. Scott	do	60
	Danl. C. Murphy	do	101
	Jno. J. McLean	do	101
	C. W. Liner	do	101 84 101 101 92 25
	Fred. Z. Gosewisch	do	101
	Geo. W. Scott	do	101
			92
	C. M. Boucher H. W. Grasse	do	25 60
	M. E. Conway	do	70
	Wm. A. Shaw	do	84
	Wm. A. Shaw Marsden Wright	do	84 84
	Chas. Adie	do	84
	O. B. Hart	do	60
	J.P. Slaughter	do	101
	R. S. Smith Maurice Connell	do	60 101
	Thos. Gibson	ldo	101
	Ton A Pourrielr	a.	101 101 101 101 101 33 25 84
	Jno. R. Williams	do	101
	Jno. R. Williams T. T. Collins W. P. Le Roy Ella W. Daniels Gideon S. Jones Boni Mescalink	do	101
	Ella W. Daniels	do	95 25
	Gideon S. Jones	do	84
	Benj. Masselink	do	41
	Benj. Masselink G. T. Todd Patck. Connor et al Jas. J. Gray et al A. F. Sims et al	do	101
	Patck. Connor et al.	Salaries	319.
	vas. v. Gray et al.	uo	256. 227.

Date.	Name.	Nature of payment.	Tota
1898.	•		
ily 30	H. McP. Baldwin et al	Salaries	\$126
	J. B. Marbury et al David Fisher et al	do	345
	David Fisher et al	do	121 611
	F. J. Walz et al M. B. Van Vradenburg et al	do	126
	B. H. Bronson et al.	do	227
	B. H. Bronson et al M. J. Wright, jr., et al B. F. Schneider et al	do	126
	B. F. Schneider et al.	do	142 230
	G.E. Franklin et al. Geo. E. Hunt et al.	do	451
	Geo N Wilson et al	do	126
	H.R. Patrick et al	do	109
	N. P. Congon et al.	do	306 348
	E. H. Bowie et al	do	126
	Jas. Kenealy et al.	do	19 19
	T. J. Considine et al	do	193
	E. H. Nimmo et al	do	188 361
	G. W. Felger et al	do	110
	H. R. Patrick et al E. B. Richards et al N. B. Conger et al E. H. Bowie et al J. J. Considine et al T. J. Considine et al E. H. Nimmo et al I. M. Cline et al G. W. Felger et al A. B. Crane et al L. M. Dey et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgway et al W. M. Edmondson et al B. S. Pague et al E. B. Jones et al C. F. von Herrmann et al E. A. Evans et al Orin Parker et al	do	120
	L. M. Dey et al	do	549
	W. T. Blythe et al	do	213 89 35
	Frank Ridoway et al	do	35
	W. M. Edmondson et al	do	
	B. S. Pague et al	do	470
	E.B Jones et al	do	22
	E A Evens et el	do	29
	Orin Parker et al	do	476 229 29 313
	H. C. Frankenfield et al	do	52 27
	P.F. Lyons et al	do	27
	J. H. Smith et al	do	28 11
	E. C. Thompson et al	do	12
	A. G. McAdie et al	do	12 71
	A. G. Burns et al.	do	12 21 23
	G N Salishurvat al	do	21
_	Chas. Davis et al	do	12
	U. G. Purssell et al	do	12 12 12 13 13 11 12 18
	H. E. Wilkinson et al	do	12
	Ino Glover et al	do	11
	J. E. Lanonette et at.	do	12
	G. H. Hagen et al	do	18
	T. B. Jennings et al	do	14
	H B Dick et al	do	30 12 21
	W. H. Fallon et al	do	21
	J. B. Blagden et al	do	11 19
	A. J. Mitchell et al.	do	19 28
	J. G. Linsley et al	do	12
	E. B Jones et al E. A. Evans et al C. F. von Herrmann et al. E. A. Evans et al Orin Parker et al H. C. Frankenfield et al P. F. Lyons et al J. H. Smith et al H. H. Curley et al E. C. Thompson et al A. G. McAdie et al A. G. McAdie et al A. G. Burns et al H. B. Boyer et al G. N. Salisbury et al Chas. Daviset al U. G. Purssell et al H. E. Wilkinson et al Jno. Craig et al Jno. Glover et al Jno. Glover et al Jno. Blover et al Jno. H. E. Wilkinson et al Jno. H. E. Wilkinson et al Jno. Glover et al Jno. Glover et al Jno. H. E. Wilkinson et al J. E. Lanonette et at G. H. Hagen et al J. J. Hyatt et al H. B. Diok et al W. H. Fallon et al J. B. Blagden et al A. J. Mitchell et al G. A. Loveland et al J. G. Linsley et al C. M. Strong et al P. H. Smythet at L. M. Pindell et al A. E. Hockett et al J. M. Sherier et al F. H. Brandenburg et al G. M. Chappel et al E. R. Demain et al S. W. Glenn et al D. P. McCallum et al C. F. R. Wappenhaus et al W. M. Fulton et al	do	12 22
	P. H. Smythet at	do	28
	L. M. Pindell et al	do	21 14
	I M Shariar at al	do	19
	F. H. Brandenburg et al	do	19 42
	G. M. Chappel et al	do	43
	E.R. Demain et al.	do	13
	J. W. Smith et al	do	13 21
	S. W. Glenn et al	do	21 11
	D. P. McCallum et al	do	11
	U. F. R. Wappenhaus et al.	do	10
	W. II Simons et al	do	18
	W. M. Fulton et al	do	14
	S. C. Emery et al	do	37
	T. S. Outram et al	do	31- 18
	F P Chaffee et al	do	27
	H. C. Bate et al	do	40
	J. W. Cronk et al W. U. Simons et al W. M. Fulton et al S. C. Emery et al T. S. Outram et al Wm. M. Dudley et al F. P. Chaffee et al H. C. Bate et al E. W. McGann et al L. M. Tarr et al R. E. Kirkam et al Eben. H. Emery et al	do	14
	L. M. Tarr et al	do	12 53
	D. P. AIFKAIN et al	do	498

Date.	Name.	Nature of payment.	Tota
1898.			
uly 30	J. I. Widmeyer et al	Salaries	\$180 47
	J. A. Welsh et al J. W. Smith et al David Cuthbertson et al	do	60
	David Cuthbertson et al.	do	42 50
			509
	E. A. Beals et al	do	378 40
	H. W. Richardson et al	do	404 13.
	S. S. Bassier et al E. A. Beals et al H. W. Richardson et al R. Q. Grant et al L. N. Jesnuofsky et al W. S. Palmer et al J. W. Bauer et al J. W. Bauer et al	do	215
	W. S. Palmer et al	do	212 196
	Jno. Fitzgerald et al	do	556
	J. W. Bauer et al	Convious	124
ug. 1	W H Alexander	Servicesdo	9
ug. 1	H. L. Ball	do	124 48 27 117
	W. W. Neifert et al	Salaries	201
_	F. A. Carpenter	Servicesdo	10:
5	C P Cronk	do	100
	E.J. Davenport	do	25
	J. W. Bauer et al Louis Dorman W. H. Alexander H. L. Ball W. W. Neifert et al F. A. Carpenter Fitzhugh Newman C. P. Cronk E. J. Davenport W. M. Wilson et al Marie R. Wood F. A. Tower	Salaries	25 46 25 30
13	Marie R. Wood	Services	2
	F. A. Tower	do	38 1'
	W. D. Fuller	do	12
17	F. A. Tower D. D. Herr W. D. Fuller F. L. Johnson Jos. Sands C. H. Booth F. C. Wildes E. W. Wheeler Clyde Hathaway Allen Buell L. R. Carpenter Geo. D. Ackerman W. E. Oliver J. J. O'Donnell B. D. Johnson Albert Brand W. C. McGuiness Benj. M. Jacobs C. P. (Yronk Geo. L. Lovett R. F. Young J. W. Byram Geo. Reeder J. P. Fallihee D. C. Murphy N. D. Lane A. H. Bell F. R. Bashen	do	10
	Jos. Sands	do	60
	C. H. Booth	do	13
	E W Wheeler	do	20
3	Clyde Hathaway	do	10
~~	Allen Buell	do	20
25	L. R. Carpenter	do	3.
31	W E Oliver	do	2
01	J. J. O'Donnell	-do	8-
	B. D. Johnson	do	2
	Albert Brand	do	10
	W. C. McGuiness	do	8 2 10
	C. P. Cronk	do	10
	Geo. L. Lovett	do	2
	R. F. Young	do	101
	J. W. Byram	do	101
	J. P. Fallihee	-do	60
	D. C. Murphy	åo	101
	N. D. Lane	do	101
	N. D. Lane A. H. Bell F. R. Beahan Wayland Bailey Jos. P. Bolton Geo. W. Eddey R. L. Anderson C. W. Ling J. J. McLean R. G. Allen F. Z. Gosewisch J. J. J. Dosher	do	101 92 101 101
	Wayland Bailey	do	10
	Jos. P. Bolton	do	101
	Geo. W. Eddey	do	9' 7' 8:
	K. L. Anderson	do	7
	J.J. McLean	do	10
	R. G. Allen	do	10: 10: 10:
	F. Z. Gosewisch	do	10
	J.J. Dosner	do	60
	C. M. Boucher	do	101 28
	H. W. Grasse	do	60
	M. E. Conway	do	7/
	P. B. Daly	do	40
	F. Z. Gosewisch J. J. Dosher Geo. W. Scott C. M. Boucher H. W. Grasse M. E. Conway P. B. Daly E. C. Hobbs Joseph Sands	do	40 9: 60
	W. A. Shaw	do	84
	J. C. Piercy	do	103
	J.C. Hayden	do	84 101 84 70
	Chas. Adie	do	70
	Otto B. Hart.	do	84 60 101
	J.P. Slaughter	do	101
	R. S. Smith	do	60
	Maurice Connell	oo	101 101
	Joseph Sands. W. A. Shaw J. C. Piercy Marsden Wright J. C. Hayden Chas. Adie Otto B. Hart J. P. Slaughter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson J. A. Barwick Ford A. Carpenter J. J. Carpenter	do	101
	J. A. Barwick	do	101
	World A Clause t	do	101

Date.	J. R. Williams H. L. Ball T. S. Collins Fitzhugh Newman Wm. P. Le Roy F. L. Johnson Ella W. Daniels H. C. Merrill G. S. Jones M. B. De Vane J. W. Smith R. H. Dunbar Geo. T. Todd Sumner Hackett F. P. Holt R. J. Hyatt Chas. S. Gorgas J. F. Hurley C. H. Booth E. W. Wheeler W. B. Blythe Henry Lucas M. R. Gilbert D. M. Thompson do C. B. Gannaway Ozias Whitman J. E. Alsip E. J. Davenport J. I. Widmeyer et al L. A. Welsh et al J. G. Linsley et al C. M. Strong et al A. B. Crane et al L. M. Dey et al G. B. Wurtz et al F. Ridgway et al W. M. Edmondson et al E. P. Jones et al B. S. Pague et al C. F. von Herrmann et al H. A. Evans et al Jas. H. Smith et al H. H. Curley et al Chas. Davis et al Alex G. Burns et al Alex G. McAdie et al J. B. Blagden R. M. Harding W. L. Dav. Eben H. Emery et al A. F. Sims et al David Crise B. H. Bronson et al H. H. Curley et al Chas. Davis et al Alex G. McAdie et al J. B. Blanden R. M. Harding W. L. Dav. Eben H. Emery et al A. F. Sims et al David Fisher et al H. H. Curley et al B. B. Jennings C. E. Pauley H. B. Dick. W. H. Fallon J. B. Blagden R. M. Harding W. L. Dav. Eben H. Emery et al A. F. Sims et al David Fisher et al J. B. Marbury et al David Fisher et al J. B. Marbury et al David Fisher et al J. H. Bronson et al J. W. Spanish et al David Fisher et al J. H. Bronson et al J. W. Spanish et al David Fisher et al J. H. Bronson et al J. W. Spanish et al David Cuthbertson et al L. M. Pindell et al W. S. Palmer et al	Nature of payment.	Tota
1898.			
1g. 31	J. R. Williams	Services	\$101 117 101
	H.L.Ball	do	117
	T. S. Collins	do	102
	Wm P Lo Por	do	10: 42: 10:
	F L. Johnson	do	101
	Ella W. Daniels	do	25
	H. C. Merrill	do	25 70
	G.S. Jones	do	8
	M. B. De Vane	do	120 50 10
	J. W. Smith	do	120
	R. H. Dunbar	do	56
	Geo. T. Todd.	do	10.
	F P Holt	do	28 89
	R. J. Hvatt	do	139
	Chas. S. Gorgas	do	43
	J. F. Hurley	do	7'
	C. H. Booth	do	1
	E. W. Wheeler	do	20
	W. B. Blythe	do	1
	Henry Lucas	do	
	D. M. Thompson	00	
	do. at a nompson	do	9
	C. B. Gannaway	do	2
	Ozias Whitman	do	7
	J. E. Alsip	do	
	E. J. Davenport	do	2
	J. I. Widmeyer et al	Salaries	18 47
	L. A. Welsh et al	do	47
	J. G. Linsley et al	do	120
	C. M. Strong et al	00	120 22 120
	A. B. Crane et al.	do	57
	G B Wurtz et el	do	89
	F. Ridgway et al	do	38
	W. M. Edmondson et al	do	38 11
	E. P. Jones et al	do	22
	B.S. Pague et al	do	470 29
	C. F. von Herrmann et al	do	29
	E. A. Evans et al.	do	319
	Urin Parker et al	do	180
	Jas H Smith at al	do	213 203
	H. H. Curley et al	do	11
	E. C. Thompson et al	do	11- 12- 12- 23:
	Alex G. Burns et al	do	120
	G. N. Salisbury et al	do	23
	Chas. Davis et al	do	120
	Alex G. McAdie et al	00	72- 120
	H. F. Willzingen et al	do	120
	Ino Craig	do	13
	Geo. J. Heck	do	37
	Patrick F. Lyons	do	20
	Jno. Grover	do	. 110 120 142
	J. E. Lanonette	do	12
	T. B. Jennings	do	143
	C. E. Pauley	do	180 120 210
	H. B. Dick	do	12
	W. H. Fallon		11
	R M Harding	do	17
	W. L. Day	do	174 18
	Eben H. Emery et al	do	598
	A. F. Sims et al	do	22
	H. McP. Baldwin et al.	do	120 121
	David Fisher et al.	do	12.
	J. B. Marbury et al	do	41.
	M. B. Van Vradenburg et al.	do	120
	F. J. Walz et al	do	614 227
	I. W. Smith et al	do	510
	David Cuthhertson et al	do	350
	L. N. Jesunofsky et al	do	356 212
	P. H. Smyth et al	do	284
	R. Q. Grant et al	do	13.
	L. M. Pindell et al	do	186
		3.	19

Date.	Name.	Nature of payment.	T
1898.			
ıg. 31	Jno. Fitzgerald et al S. S. Bassler et al E. A. Beals et al A. E. Hackett et al J. W. Bauer et al H. W. Richardson et al J. M. Sherier et al F. H. Brandenburg et al N. B. Conger et al E. H. Bowie et al Jas. Kenealy et al Jas. Kenealy et al Jas. Kenealy et al J. J. Considine et al E. H. Nimmo et al E. M. Ravenscroft et al I. M. Cline et al E. M. Pelger et al E. R. Demain et al S. L. Dosher et al S. U. Dosher et al E. J. Glass et al S. W. Glenn et al S. W. Glenn et al J. W. Curonk et al M. J. Witchell et al J. W. Cronk et al W. U. Simons et al W. U. Simons et al W. M. Fulton et al W. M. Fulton et al M. J. Wright, jr., et al C. F. Schneider et al E. B. Richards et al E. B. Richards et al E. B. Richards et al	Salaries	
	S. S. Bassler et al	do	
	A. E. Hackett et al	do	
	J. W. Bauer et al	do	
	H. W. Richardson et al	dodo	
	J. M. Sherier et al	do	
	N. P. Congon et al	do	
	E H Rowie et al	do	
	Jas. Kenealy et al	do	
	T. J. Considine et al	do	
	E. H. Nimmo et al	do	
	E. M. Ravenscroft et al	do	
	G W Folger at al	do	
	E. R. Demain et al	do	
	S. L. Dosher et al	do	
	E. J. Glass et al	do	
	S. W. Glenn et al	do	
	E F R Wannenhaus et al	do	
	A. J. Mitchell et al	do	
	J. W. Cronk et al	do	
	W. U. Simons et al	do	
	Patrick Connor et al.	do	
	M. M. Fulton et al	do	
	C. F. Schneider et al	do	
	G. A. Loveland et al	do	
	E. B. Richards et al	do	
	G.E. Franklin et al.	do	
	G. M. Wilson et al	do	
	H. R. Patrick et al	do	
	S. C. Emery et al	do	
	W. M. Wilson et al	do	
	T. S. Outram et al	do	
	W. M. Dudley et al	do	
	W W Neifart at al	do	
	H. C. Bate et al	do	
	E. W. McGann et al	do	
	L. M. Tarr et al	do	
	J. J. Gray et al	do	
ot. 2	E. B. Richards et al G. E. Franklin et al G. E. Hunt et al G. E. Hunt et al G. N. Wilson et al H. R. Patrick et al S. C. Emery et al W. M. Wilson et al T. S. Outram et al W. M. Dudley et al Frank P. Chaffee et al W. W. Neifert et al H. C. Bateet al E. W. McGann et al L. M. Tarr et al H. T. Alciatore et al H. T. Alciatore et al E. L. Renoe Ferd. Hagren et al E. L. Renoe Ferd. Harrison R. H. Sullivan	do	
p 0. ~	E. L. Renoe	Services	
	Ferd. Harrison	do	
	R. H. Sullivan	do	
	H. A. McNally	do	
	H. C. Frankenfield	do	
	Thos. L. Hallett	do	
10	Ferd. Harrison R. H. Sullivan H. A. McNally W. G. Burns H. C. Frankenfield Thos. L. Hallett H. F. Alps B. P. Cooper D. D. Herr	do	
	B. P. Cooper	do	
	D. D. Herr	do	
	I) A Society	do	
	C. A. Hyle	do	
12 13	Thos. L. Hallett	do	
13	G. M. Chappel et al	Salaries	
	D. M. Thompson	Services	
16	W.F. Pianner	do	
10	G. B. Ackerman	do	
	Ferd. A. Tower	do	
	Chas. Willis, jr	do	
90	H. C. Thompson	do	
20 30	G.J.P. Barger	do	
90	H McP Roldwin et al	Salaries	
	H. F. Alps B. P. Cooper D. D. Herr W. T. Blythe D. A. Seeley C. A. Hyle Thos. I. Hallett G. M. Chappel et al D. M. Thompson W. F. Pfanner R. E. Kerkam G. B. Ackerman Ferd. A. Tower Chas. Willis, jr H. C. Thompson G. J. P. Barger A. F. Sins et al H. McP. Baldwin et al J. B. Marbury et al David Fisher et al Ferd. J. Walz et al M. B. Van Vradenburg et al W. L. Day et al J.s. J. Gray et al J.s. J. Gray et al J. J. Widmeyer et al J. I. Widmeyer et al	do	
	David Fisher et al	do	
	Ferd. J. Walz et al	do	
	M. B. Van Vradenburg et al.	do	
	Jos J Gray et al	do	
	J. I. Widmeyer et al	do	

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1899-{\bf Cont'd.}$ 

ate.	J. J. Linsley et al C. M. Strong et al A. B. Crane et al L. M. Dey et al W. G. Burns et al Geo. B. Wurtz et al C. F. von Herrmann et al Edwd. P. Jones et al B. S. Pague et al C. F. von Herrmann et al Edwd. A. Evans et al H. C. Bale et al E. W. McGann et al E. W. McGann et al L. M. Tarr et al Alex. G. McAdie et al E. H. Emery et al S. C. Emery et al W. M. Wilson et al W. M. Dudley et al F. P. Chaffee et al W. U. Simons et al W. U. Simons et al W. J. Wright, jr., et al G. F. Schneider et al Geo. E. Hunt et al Geo. N. Wilson et al H. R. Patrick et al Thos. J. Outram et al Sam'l L. Dorsher et al Wm. W. Neifertet al E. J. Glass et al E. J. Gloss et al E. J. Witchell et al J. W. Cronk et al Patrick Connor et al N. B. Conger et al H. W. Richardson et al I. M. Cline et al E. H. Nimmo et al E. A. Bowie et al I. M. Cline et al E. A. Bowie et al I. M. Sherier et al E. A. Beals et al A. E. Hackett et al J. W. Smith et al D. Patrick H. Smyth et al L. N. J. Scunoffsky et al R. Q. Grant et al E. A. E. Hackett et al J. W. Smith et al D. Patrick H. Smyth et al E. A. E. Hackett et al Geo. M. Chappel et al E. A. Beals et al A. E. Hackett et al B. P. Cooper et al Geo. M. Chappel et al Geo. H. Wilson et al Geo. H.	Nature of payment.
398.		
pt.30	J. J. Linsley et al	Salaries
	C. M. Strong et al	do
	A. B. Crane et al	do
	W. G. Burne et al	do
	Geo B Wurtz et al	do
	W. M. Edmondson et al.	do
	Edwd. P. Jones et al	do
	B. S. Pague et al	do
	C.F. von Herrmann et al	do
	Edwd. A. Evans et al	do
	H. C. Bale et al	do
	I. W. McGann et al	do
	Alex G McAdie et al	do
	E. H. Emery et al	do
	S. C. Emery et al	do
	W. M. Wilson et al	do
	W. M. Dudley et al	do
	F.P. Chaffee et al.	do
	W. U. Simons et al	do
	W.M. Fulton et al	do
	C. F. Schneider et al	do
	Geo. E. Hunt et al	do
	Geo. N. Wilson et al	do
	H. R. Patrick et al	do
	Thos. J. Outram et al	do
	Sam'l L. Dorsher et al	do
	Wm. W. Neifert et al	do
	E. C. Hobbs et al.	do
	E. J. Giass et al.	do
	D. D. McCallum et al	do
	C F R Wannenhaus et al	do
	Alex J. Mitchell et al	do
	J. W. Cronk et al.	do
	Patrick Connor et al	do
	N. B. Conger et al.	do
	H. W. Richardson et al.	do
	T. J. Considine et al.	do
	E. H. Nimmo et al.	do
	I. M. Cline et al	do
	E R Demain et al	do
	Jacob W. Bauer et al	do
	J. W. Smith et al	do
	J. M. Sherier et al	do
	F. H. Brandenburg et al	do
	Geo. M. Chappel et al.	do
	E. A. Bowie et al	do
	Chas E Lippov et al	do
	S S Rassler et al	do
	E. A. Beals et al	do
	A. E. Hackett et al	do
	J. W. Smith et al.	do
	David Cuthbertson et al	do
	Patrick H. Smyth et al.	do
	L. N. Jesunofsky et al.	do
	R.Q. Grant et al.	do
	L. M. Pindelletal	00
	P. P. Cooper et al.	do
	Patrick F Lyons et al	do
	Jas. H Smith et al	do
	H. H. Curley et al	do
	F. A. Carpenter et al.	do
	E. C. Thompson et al.	do
	Geo. H. Willson et al.	do
	H.B. Boyer et al	do
	G. N. Salisbury et al.	do
	Chas. Davis et al	do
	Alex. G. Burns et al	00
	H. E. Wilkinson	do
	Ino Grover	do
	J E Lanonette	do
	С. И Номов	do

WEATHER BU	REAU-GENERAL	EXPENSE-SAL	ARIES-Continued.
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e.	Name.	Nature of payment.	Tot
30	R.J. Hyatt	Salaries	\$3
	H. B. Dick	do	1:
	Ino D Bleadon	do	10
	B H Bronson	do	10 25 21
	G. E. Franklin	do	2
	G. A. Loveland	do	• > >
	Frank Ridgeway	do	3 1;
	U. G. Purssell	do	1;
	G. W. Felger	Services	9
	Wm. E. Oliver	do	2
	Jno. J. O Donnell	00	
	W C McGniness	do	9
	Beni M Jacobs	do	,
	L. A. Judkins	do	4
	Balfe. D. Johnson	do	-
	R. J. Hyatt. H. B. Dick W. H. Fallon Jno. D. Blagdon B. H. Bronson G. E. Franklin G. A. Loveland Frank Ridgeway U. G. Purssell G. W. Felger Wm. E. Oliver Jno. J. O'Donnell Albert Brand W. C. McGuiness Benj. M. Jacobs L. A. Judkins Balfe. D. Johnson Corydon B. Cronk Geo. L. Lovett	do	10
	Geo. L. Lovett	do	2
	Jas. Keneally	do	1
	J. W. Byram	do	
	Geo. Keeder	do	
	I P Fellihaa	do	
	Corydon B. Cronk Geo. L. Lovett Jas. Keneally J. W. Byram Geo. Reeder Geo. T. Todd J. P. Fallihee Dan. C. Murphy N. D. Lane A. M. Bell	do	
	N. D. Lane	do	
	F. R. Beahan Wayland Bailey	do	
	Wayland Bailey	do	
	yand baney J. P. Bolton Geo. W. Eddey R. L. Anderson C. W. Ling	do	
	Geo. W. Eddey	do	
- 1	R. L. Anderson	do	
	C. W. Ling	do	
	Poht C Allen	00	
	Fredk 7 Georgiach	do	
	J.J. Dosher	do	
1	Geo. W. Scott	do	
- 1	C. H. Boucher	do	
	Geo. E. Bolls	do	
	H. W. Grasse	do	
	M. E. Conway	do	
	Wm. A. Shaw	do	
1	Monadon Whight	do	
- 1	J. C. Haydon	do	
	Chas Adie	do	
- 1	O. B. Hart	do	
	A. B. Wollaber	do	14
	R. L. Anderson C. W. Ling J. J. McLean Robt. G. Allen Predk. Z. Gosewisch J. J. Dosher Geo. W. Scott C. H. Boucher Geo. E. Bolls H. W. Grasse M. E. Couway Wm. A. Shaw Jos. C. Piercy Marsden Wright J. C. Hayden Chas. Adie O. B. Hart A. B. Wollaber J. P. Slaughter Robt. S. Smith Chas. Stewart Maurice Connell Thos. Gibson Jas. A. Barwick Jno. R. Williams H. L. Ball T. S. Collins M. T. Pfanner	do	
	Robt. S. Smith	do	
	Chas. Stewart	do	9
	Maurice Connell	do	
	Thos. G1080n	do	1
	Ino R Williams	do	
	H I. Rall	do	1
	T. S. Collins	do	1.
	M. T. Pfanner	-do	
	E. J. Davenport	do	
	W.T. Blythe	do	1
	Fitzhugh Newton	do	
	H. L. Ball T. S. Collins M. T. Pfanner E. J. Davenport W. T. Blythe Fitzhugh Newton F. L. Johnson W. P. LeRoy Ella W. Daniels H. C. Merrill Gideon S. Jones M. B. De Vane D. B. Slaughter F. A. Tower E. W. Wheeler A. H. Edwards L. F. Sweatt	do	1
	W.P.LeRoy	do	-
	H.C. Monnill	do	
	Gideon S. Jones		(
	M B DeVane	do	
	D. B. Slaughter	do	-
	F. A. Tower	do	-
	E. W. Wheeler	do	
	A. H. Edwards	do	
	L. F. Sweatt	do	1
	C. H. Booth	do	
	A. H. Edwards L. F. Sweatt C. H. Booth Jno. Hacket G. W. Swan W. L. McKay R. Frank Young E. B. Richards	do	
	W. I. Makar	do	
	R. Frenk Voung	Q0	1 1
	LULI TAHA TOURS	u0	

 $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1899} - \textbf{Cont'd.}$ 

# $\label{thm:weather} \textbf{WEATHER BUREAU-GENERAL EXPENSE-SALARIES-Continued.}$

Date.	Name.	Nature of payment.	Total.
1898. Sept. 30	E. C. Bennett	Services	\$10 A
. осри. ос	do	dodo	\$18.0 16.0
	Total first quarter		90, 435.
Oct. 1	E. B. Dunn E. L. Renoe	Services	58.3 25.0 106.0 9.1
	R. M. Hardinge	do	106.0
11 17	J. B. Houx Fant Diggs Geo. G. Harkness et al.	do	9.
17	Geo G Harkness et al	Salaries	188
18	E. C. Scott	Services	188.3 5.4 68.4 26.0 30.0
18 20 26	H. F. Alps	do	68.
20	J. P. Mockler	do	26. 30.
	F. J. Pabst	do	627. 180. 126. 213. 319.
31	E. H. Emery et al	Salaries	627.
	J. G. Linsley et al	do	126
	H. B. Boyer et al	do	213.
	E. A. Evans et al.	do	319.
	Geo. G. Harkness et al. E. C. Scott H. F. Alps C. H. Booth J. P. Mockler F. J. Pabst E. H. Emery et al Orin Parker et al. J. G. Linsley et al H. B. Boyer et al. E. A. Evans et al. L. J. Gray et al. L. A. Welsh et al. C. M. Strong et al. A. B. Crane et al.	do	256. 474.
	C. M. Strong et al.	do	474. 142.
	A. B. Crane et al	do	126. 385. 572.
	I. M. Dov et al	do	572
	Wm. G. Burns et al	do	218.
	Geo. B. Wurtz et al	do	186. 213.
	J. E. Lanonette et al	do	129.
	Jno. Craig et al	do	198. 116. 200. 126.
	Jno. Grover et al	do	116.
	H. E. Wilkinson et al	do	200. 196
	Wm. P. Blythe et al	do	281. 126.
	E. C. Thompson et al	do	126.
	Goo H Willson et al	do	116. 660
	H. C. Bate et al	do	660. 422. 116.
	H. H. Curley et al	do	116.
	Jas. H. Smith et al.	do	185. 544.
	R. M. Hardinge et al	do	180.
	H. B. Hersey et al	do	53.
	C. F. von Herrmann et al	do	166. 297. 317.
	Frank P. Chaffee et al.	do	317.
	E. P. Jones et al	do	225. 286. 47.
	W M Edmondson et al	do	47.
	Alex. G. Burns et al	do	101.
	G. N. Salisbury et al.	do	239.
	David Fisher et al.	do	121.
	A. F. Sims et al	do	235.
	E. A. Evans et al  J. J. Gray et al  L. A. Welsh et al  C. M. Strong et al  A. B. Crane et al  F. Ridgway et al  L. M. Dey et al  Wm. G. Burns et al  Geo. B. Wurtz et al  T. B. Jennings et al  J. E. Lanonette et al  J. E. Lanonette et al  J. C. Craig et al  J. C. Craig et al  J. C. Craig et al  J. C. Cranonette et al  H. E. Wilkinson et al  U. G. Pursell et al  E. C. Thompson et al  E. C. Thompson et al  E. A. Carpenter et al  Geo. H. Willson et al  H. C. Bate et al  H. H. Gurley et al  Jas. H. Smith et al  R. J. Hyatt et al  R. J. Hyatt et al  R. J. Hyatt et al  Jas. J. Widmeyer et al  Jas. J. Widmeyer et al  C. F. von Herrmann et al  Frank P. Chaffee et al  E. P. Jones et al  Patrick F. Lyons et al  Ww. M. Edmondson et al  Alex. G. Burns et al  Alex. G. Burns et al  David Fisher et al  David Fisher et al  A. F. Sims et al  David Cuthbertson et al  J. W. Smith et al  David Cuthbertson et al  J. W. Swith et al  Ww. W. Neifert et al  J. W. Smith et al  David Cuthbertson et al  J. W. Smith et al  David Cuthbertson et al  J. W. Smith et al  David Cuthbertson et al  J. W. Smith et al  Ww. W. Neifert et al  J. W. Smith et al  David Cuthbertson et al  J. W. Smith et al  David Cuthbertson et al  J. W. Smith et al  Byon H. Bronson et al  H. B. Diek et al  Byon H. Bronson et al  Ww. H. Fallon et al  H. B. Diek et al  Byon H. Bronson et al  L. W. Jesunofsky et al  J. W. Smyth et al  A. E. Hackett et al  J. W. Snyth et al  A. E. Hackett et al  J. W. Snyth et al  A. E. Hackett et al  J. W. Souve et al  E. R. Brichards et al  E. R. Brichards et al  B. S. Pague et al	ob	126.
	J. W. Smith et al	do	601.
	Wm. W. Neifert et al.	do	239. 125. 121. 235. 126. 427. 601. 210. 111. 127. 227.
	H. B. Dick et al	oo	197
	Byron H. Bronson et al	do	227.
	W. H. Fallon et al.	do	197. 415.
	H. McP. Baldwin et al	do	415. 126.
	Ferd. J. Walz et al	do	614. 656. 200. 601. 437. 172.
	Chas. E. Linney et al	do	656.
	E. A. Beals et al	do	601.
	J. W. Smyth et al	do	437.
	A. E. Hackett et al.	do	172. 212.
	J. W. Baner et al	do	124.
	S. S. Bassler et al	do	124. 419.
	Chas. Davis et al.	do	131. 101.
	G. A. Loveland et al	-do	224.
	E. B. Richards et al.	do	319.
	D C Down a et al	do	308,

ate.	Name.	Nature of payment.	Tota
1898.	Wm. S. Currier et al L. M. Pindell et al W. S. Palmer et al T. J. Considine et al E. H. Nimmo et al J. M. Sherier et al Geo. M. Chappel et al F. H. Brandenburg et al N. B. Conger et al I. M. Cline et al G. W. Felger et al I. M. Cline et al Geo. T. Todd et al Geo. T. Todd et al E. H. Bowie et al H. W. Richardson et al Alex. J. Mitchell et al W. U. Simons et al E. M. Ravenscroft et al E. M. Bowie et al S. L. Dosher et al S. L. Dosher et al S. L. Fosher et al S. C. Emery et al S. C. Emery et al G. F. R. Wappenhaus et al M. J. Wright, jr., et al Chas. F. Schneider et al Geo. E. Franklin et al Geo. E. Franklin et al Geo. E. Franklin et al H. M. M. Wilson et al H. R. Patrick et al H. M. M. Wilson et al H. R. Patrick et al H. M. M. Dudley et al E. C. Hobbs et al E. W. McGann et al L. M. Tarr et al Alex. G. McAdie et al M. B. DeVane Gideon S. Jones Ella W. Daniels. F. L. Johnson Chas. Stewart J. P. Slaughter J. A. Barwick Thos. Gibson		
t. 31	Wm. S. Currier et al	Salaries	\$29 19 20 19 19 19 42 42 41
	L. M. Pindell et al.	do	19
	W.S. Palmer et al	0D	20
	E. H. Nimmo et al	do	19
	J. M. Sherier et al	do	19
	Geo. M. Chappel et al	do	42
	F. H. Brandenburg et al	do	42
	N. B. Conger et al.	do	41
	I. M. Cline et al	do	12 43
	Geo. T, Todd et al	do	17 12
	E. H. Bowie et al	do	12
	H. W. Richardson et al	do	30
	W. H. Simons et al	do	22 18
	E. M. Ravenscroft et al	do	12
	E. R. Demain et al.	do	12 13
	S. L. Dosher et al.	do	13 18 21
	E. J. Glass et al	do	18
	S. W. Glenn et al.	do	21
	W. M. Fulton et al	do	30 18 30
	Patck. Connor et al	do	30
	C. F. R. Wappenhaus et al	do	4.4
	M.J. Wright, jr., et al	do	12 21 21
	Geo F Franklin et al	do	21 91
	Geo. N. Wilson et al	do	12 10 48 36
	H. R. Patrick et al.	do	10
	W. M. Wilson et al	do	48
	T. S. Outram et al	do	36
	E. C. Hobbs et al	do	18 15 14
	E. W. McGann et al	do	14
	L. M. Tarr et al	do	12
	Alex. G. McAdie et al.	do	12 53 2
	M. B. DeVane	Services	2
	File W Daniela	do	8
	F. L. Johnson	do	10
	Chas. Stewart	do	10 10
	J. P. Slaughter	do	10
	J. A. Barwick	do	10 10
	Maurice Connell	do	10.
	Jno. R. Williams	do	10
	T. S. Collins	do	10 10 10 10 10
1	Fitzhugh Newman	do	10
	Jos. P. Bolton	do	10
	Albert Brand	do	10 10
	Walcott L. Day	do	101
	F. L. Johnson Chas. Stewart J. P. Slaughter J. A. Barwick Thos. Gibson Maurice Connell Jno. R. Williams T. S. Collius Fitzhugh Newman Jos. P. Boiton R. Q. Grant Albert Brand Walcott L. Day R. Frank Young J. W. Bryam Geo. Reeder D. C. Murphy H. L. Ball S. M. Blandford C. P. Cronk A. H. Bell N. D. Lane R. G. Allen Waland Bailey Geo. W. Eddey J. J. McLean Geo. W. Eddey J. J. McLean Geo. W. Eddey J. J. M. Lean Geo. W. Eddey J. J. M. Lean Geo. W. Eddey J. J. M. Lean Geo. W. Sott F. C. Gosewisch E. E. Spencer N. R. Taylor F. R. Beahan Marsden Wright W. A. Shaw Chas. Adie	do	10 10 10 10
	J. W. Bryam	dc	10
	D C Murphy	do	10
- 9	H. L. Ball	do	10.
	S. M. Blandford	do	10. 10. 11. 10. 10.
	C. P. Cronk	do	109
	A. H. Bell	do	103
	R († Allen	do	102
	Waland Bailey	do	10.
	Geo. W. Eddev	do	10.
	J. C. Piercy	do	100 100 100 100 100 100 100 100
	J. J. McLean	do	101
	F C Gosowisch	do	101
	E. E. Spencer	ob	101
	N. R. Taylor	do	96
	F. R. Beahan	do	101 101 101 96 96 98 84
	Marsden Wright	do	84
	W. A. Shaw	do	84
	Marsden Wright W. A. Shaw Chas. Adie J. J. Kelliher C. W. Ling R. C. Anderson W. C. McGuiness J. J. O'Donnell	00 do	84 84 84
	C. W. Ling	do	84
	R. C. Anderson	do	84
	W C McGuinosa	do	84 84

# 204 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

Date.	W. E. Oliver Wm. J. Reed C. K. Robinson M. E. Conway J. C. Hayden L. J. Guthrie J. P. Fallihee J. J. Dosher R. S. Smith H. W. Grasse Otto B. Hart E. F. Groene E. D. McKenna Wm. P. Le Roy B. F. Jacobs B. D. Johnson C. M. Boucher E. J. Davenport W. M. Johnson G. L. Lovette C. C. Garrett J. H. Powell C. C. Garrett J. H. Powell C. H. Booth M. R. Sanford Geo. E. Hunt Jno. C. Dabney Geo. B. Ackerman do J. B. Dillon J. F. Nichols do E. L. Renoe S. P. Gresham et al Geo. P. La Barre D. B. Slaughter A. B. Wallaber H. M.P. Baldwin et al David Fisher et al David Fisher et al David Cuthbertson et al S. S. Bassler et al J. W. Smith et al Norman B. Conger et al I. M. Cline G. W. Fegler et al S. W. Glenn et al Patck. Connor et al M. J. Wright, jr., et al Geo. A. Loveland et al E. P. Richards et al E. P. Richards et al J. J. Gray et al J. S. Undernet al E. W. McGann et al E. C. Hobbs et al E. W. McGann et al E. W. Hoelen et al Das, J. Wilson et al Das, J. Wilson et al E. W. Hoelen et al D. J. Gray et al J. S. J. Hyatt et al J. J. Gray et al J. S. J. Hyatt et al D. P. McCullum et al D. D. McCullum et a	Nature of payment.	Total.
1898.			
oct. 31	W.E.Oliver	Services	\$84. 77.
	Wm. J. Reed	do	77.5
	C. K. Robinson	do	70.3
	I C Haydon	do	70.3 70.3
	L. J. Guthrie	do	68.
	J. P. Fallihee	do	60.
	J. J. Dosher	do	60.
	R. S. Smith	do	60.
	H. W. Grasse	do	60.
	Otto B. Hart	do	58.
	E.F. Groene	do	48.4 43.
	Wm P Le Roy	do	42.
	B.F. Jacobs	do	25.
	B. D. Johnson	do	25.
	C. M. Boucher	do	25.
	E. J. Davenport	do	25.
	W.M.Johnson	do	24. 20.
	G. L. Lovette	do	20.
	C. C. Garrett	do	20.
	J. H. Powell	do	16. 15.
	M P Conford	do	4.
lov. 3	Geo E Hunt	do	151.
01. 0	Jno. C. Dabney	do	70. 27.
	Geo. B. Ackerman	do	27.
	do	do	70.
	J. B. Dillon	do	70.
	J. F. Nichols	do	45. 33.
	do	do	33.
	E. L. Renoe	do	25. 286.
21	Goo P I a Parro	do	8.
21	D R Slaughter	do	9.
	A. B. Wallaber	do	49.
	H. McP. Baldwin et al	Salaries	122.
	David Fisher et al	do	122. 117.
	M. B. VanVradenberg et al	do	122.
	David Cuthbertson et al	do	414.
	S.S. Bassler et al	do	406.
	J. W. Smith et al.	do	424.
	I M Cline	do	424. 406. 488. 122.
30	G W Fagler et al	do	122
90	S. W. Glenn et al	do	210. 297. 122.
	Patck. Connor et al	do	297.
	M. J. Wright, jr., et al	do	122.
	Geo. A. Loveland et al	do	286. 310. 210. 122.
	E. P. Richards et al	do	310.
	G. E. Franklin et al	do	210.
	G. N. Wilson et al	do	122.
	F. C. Hobbs et al.	do	348.
	E. W. McGann et al	do	148. 139.
	A. G. McAdie et al	do	522.
	J. J. Grav et al	do	247.
	Jas. J. Widmeyer et al	do	199.
	L. A. Welsh et al	do	522. 247. 199. 297.
	J. G. Linsley et al	do	122.
	L. M. Dey et al	do	555.
	E. P. Jones et al	do	218. 527.
	R.J. Hyatt et al	do	527.
	H. H. Cumlou et al.	do	119.
	Geo H Willson et al	do	179. 112. 571.
	Geo. N. Salisbury et al	do	231.
	D. P. McCullum et al	do	122.
	N.G. Purssell et al	do	122. 122.
	H. G. Wilkinson et al	do	194. 204. 272.
	Wm. S. Currier et al	do	204.
	W. T. Blythe et al	do	272.
	Harvey B. Dick et al	do	124.
	Jno. D. Blagden et al	do	107. 93. 97.
	Albert Ashenberger	Services	93.
	J. P. Bolton	do	97.
	U. M. Boucher	d0	25. 58.
	H. W. Grasse Wm. A. Shaw E. L. Douglas	do	81.
	17 1114 CA 1211 G.W	uv	81.

te.	R. E. Glenn Saml. L. Dosher et al. E. J. Glass et al. C. F. R. Wappenhaus et al. Alex J. Mitchell et al. W. U. Simons W. M. Fulton et al. H. B. Herrsey et al. H. R. Patrick et al. S. E. Emery et al. W. M. Dudley et al. W. M. Dudley et al. W. M. Wilson et al. F. P. Chaffee et al. W. W. Neifret et al. Henry C. Bate et al. L. M. Tarr et al. Elber H. Emery et al. Chas. M. Strong et al. Arthur B. Crane et al. Wm. G. Burnose tal. Arthur B. Crane et al. Wm. G. Burnose tal. C. F. von Herrmann et al. E. A. Evans et al. C. F. von Herrmann et al. E. A. Evans et al. D. F. Lyons et al. P. F. Lyons et al. C. A. Evans et al. C. F. Lyons et al. D. W. Smith et al. D. H. Smyth et al. D. H. Smyth et al. D. H. Smyth et al. D. H. Shapper et al. C. E. Linney et al. E. A. Beals et al. A. E. Hackett et al. J. M. Sherier et al. F. H. Brandenbury et al. Geo. M. Chappel et al. Geo. T. Todd et al. E. H. Bowie et al. H. W. Richardson et al. E. H. Bowie et al. H. W. Richardson et al. E. H. Bowie et al. E. H. Bowie et al. D. J. Considine et al. E. M. Ravenscroft et al. E. H. Doynon. Albert Brand. W. C. McGuiness B. M. Jacobs W. I. Day C. P. Cronk Geo. L. Lovett R. F. Young J. W. Bauer J. W. Byram Geo. Redeer J. P. Fallinee. Dan. C. Murphy N. D. Lane A. H. Bell F. R. Beahan Wayland daley R. L. Anderson C. W. Ling J. J. Kalliner J. J. Kalliner J. J. Conskiller J. J. Conskiller J. J. Conskiller J. J. Kalliner J. J. Scollins.	Nature of payment.	Tota
8.			
30	R. E. Glenn	Services	\$13 130 189 433 213 174
	Saml. L. Dosher et al	Salaries	130
	E.J. Glass et al	do	182
	Alex J Mitchell et al	do	21:
	W. U. Simons	dodo	17
	W. M. Fulton et al	do	112
	H. B. Hersey et al	do	438
	H. R. Patrick et al		112 433 100 297
	W M Dudlov et al	do	181
	W M Wilson et al	do	473
	F. P. Chaffee et al.	do	308
	W. W. Neifret et al	do	204 341 12:
	Henry C. Bate et al	do	34]
	L. M. Tarr et al	do	609
	Chas M Strong et al	do	207
	Arthur B. Crane et al	do	123
	Wm. G. Burns et al	do	207 122 212
	O. C. Burrows et al	do	88
	Frank Kidgway et al.	do	85 359 119
	C. F. von Herrmann et al	do	289
	E. A. Evans et al	do	228
	Orin Parker et al	do	228 174 277 112 199 719
	P.F. Lyons et al	do	277
	F. A. Carpenter et al	do	112
	Saml. B. Blandford et al.	do	710
	P H Smyth et al	do	19.
	L. N. Jesunofsky et al.	do	19 20
	Chas. Davis et al	do	127 19
	L. M. Pindell et al	do	19-
	W.S. Palmer et al	do	199 628
	F A Roole at al	do	586
	A. E. Hackett et al	do	58: 16:
	J. M. Sherier et al	do	18
	F. H. Brandenbury et al.	do	183 513
	Geo. M. Chappel et al.	do	400
	F U Powie et al	do	166 191 291
	H W Richardson et al	do	293
	T. J. Considine et al	do	189
	Geo. B. Wurtz et al	do	111 19
	E. H. Nimmo et al	do	19
	F. P. Domein et al.	do	12: 13:
	W. E. Oliver	Services	81
	Jno. J. O'Donnell	do	8
	B.D. Johnson	do	2
	Albert Brand	do	25 91 81
	R M Jacobs	do	8.
	W. L. Day	do	25 97 106 25 97 106 97 97 58
	C. P. Cronk	do	100
	Geo. L. Lovett	do	2
	R.F. Young	do	9
	J. W. Bauer	do	100
	Geo Reeder	do	Q'
	J. P. Fallihee	do	5
	Dan. C. Murphy	do	9
	N.D. Lane	do	97
	A. H. Bell	do	97
	Wayland Bailey	do	89 97
	G. W. Eddev	do	9
	R. L. Anderson	do	81 81
	C. W. Ling	do	8.
	J. J. Kalliher	do	8:
	R. G. Allen	do	9:
	J. W. Cronk	do	81
	Fred. Z. Grosewisch	do	93
	J. J. Dosher	do	97 58
	Geo. W. Scott	do	97
	LISTI A Herndon	do	97

Date.	Name.	Nature of payment.	Total.
1898.			
ov. 30	M. E. Conway J. C. Piercy L. H. Daingerfield	Services	\$68. 97.
	J. C. Piercy	do	97.
	L. H. Daingerneid	do	68.
	Marsden Wright J. C. Hayden Chas. Adie	do	81.
	Chas Adie	do	68. 81.
	H. C. Merrill J. P. Slaughter R. S. Smith	do	68.
	J. P. Slaughter	do	97.
	R. S. Smith	do	58.
	Chas Stewart Maurice Connell Thos. Gibson Jas. A. Barwick	do	97.
	Maurice Connell	do	97.
	Thos. Gibson	do	97. 97.
	Jas. A. Barwick	do	97. 97.
	J. R. Williams H. L. Ball J. S. Hazen	do	114
	J. S. Hazen	do	114. 97.
			25.
	Jas. H. Powell	do	3.
	do	do	21.
1	C.L. Shaver	do	97.
	Jas H. Powell  do C.L. Shaver Wm. J. Reed	do	81.
	wm. J. Reed Frank E. Pyne F. L. McClintic M. B. De Vane B. S. Pague et al W. M. Edmondson D. R. Morris Jno. F. Nichols	do	81.
	M. P. Do Veno	do	68.
	R S Pague et al	Salarias	25. 323.
	W M Edmondson	Sarvices	16
	D. R. Morris	do	16. 10.
	Jno. F. Nichols	do	36.
	Fitzhugh Newman	do	97.
	W.P.Le Roy	do	40.
	F. L. Johnson	do	97.
	Ella W. Daniels	do	25.
	Geo. B. Ackerman	do	68.
	Alfred E Cima et al	Colonica	81. 312.
	I R Marhury et al	do	403.
1	F. I. Walz et al	do	595.
	B. H. Bronson et al	do	220.
	E. C. Thompson et al	do	122.
	R. M. Hardinge et al	do	174. 191.
	Alex. G. Burnset et al	do	191.
	H. B. Boyer et al.	do	207.
	Jno. Craig et al	00	199.
	G H Hagan et al	do	112. 117.
1	T R Jennings et al	do	139.
	W. H. Fallon et al	do	204.
	J. W. Halford	Services	204. 81.
	Wm. A. Coyle	do	8.
	Geo. B. McGoogan	do	25.
ec. 2	Elizabeth L. Renoe	do	25.
	R. E. Glenn	do	24.
5	J. E. Lanonette	do	35.
	B. W. Wheeler.	do	20. 12.
	Ino F Nichols	do	33.
	H. D. Ponnay	do	77
6	C. F. Schneider et al.	Salaries	77. 139. 16.
16	Edith B. Gibbs	Services	16.
	T. F. Randolph	do	
	W. M. Edmondson D. R. Morris Jno. F. Nichols Fitzhugh Newman W. P. Le Roy F. L. Johnson Ella W. Daniels Geo. B. Ackerman Gid. S. Jones Alfred F. Sims et al J. B. Marbury et al F. J. Walz et al B. H. Bronson et al B. H. Bronson et al B. G. Thompson et al Alex G. Burnset et al Jno. Grover et al Jno. Grover et al Jno. Grover et al G. H. Hagen et al Jno. Grover et al G. H. Hagen et al J. W. Halford Wm. A. Coyle Geo. B. McGoogan Elizabeth L. Renoe R. E. Glenn J. E. Lanonette E. W. Wheeler B. P. Harrison Jno. F. Nichols H. D. Ponnay C. F. Schneider et al Edith B. Gibbs T. F. Randolph Geo. A. Loveland A. R. Teeple J. F. Nichols R. T. Merriwether A. B. Wollaber H. D. Ponnoy Wm. A. Coyle Geo. A. Loveland A. R. Teeple J. F. Todd J. P. Fallihee D. C. Murphy N. D. Lane A. H. Bell Elizabeth L. Renoe F. R. Beahan Wayland Bailey	do	8. 13. 43.
	A.R. Teeple	do	13.
	J. F. Nichols	do	43.
	K. T. Merriwether	do	8. 17. 63.
22	H. D. Ponnov	do	27.
44	Wm A Covle	do	5
31	D. B. Morris	do	10
31	Geo. T. Todd	do	10. 101.
	J. P. Fallihee	do	60.
	D. C. Murphy	do	60. 101.
	N. D. Lane	do	101. 101.
	A. H. Bell	do	101.
	Elizabeth L. Renoe	do	25. 92.
	F. R. Beahan	do	92.
	Wayland Bailey	do	101.
	A. B. Bell. Elizabeth L. Renoe F. R. Beahan Wayland Bailey O. D. Stewart Geo. W. Eddey R. L. Anderson Chas. W. Ling	do	101.
	Geo. W. Eddey	00	101.
	B. L. Auderson	00	84.

€.	Name.	Nature of payment.	Tota
	J. J. Kelliher J. J. McLean Robt. G. Allen J. W. Cronk F. C. Gosewisch J. J. Dosher G. W. Scott Dan'l J. Herndor T. S. Collins H. McP. Baldwin Jos. P. Bolton E. F. Williams R. H. Sullivan R. H. Sullivan R. H. Alger Chas. M. Boucher H. W. Grasse M. E. Conway Wm. J. Reed Wm. A. Shaw J. C. Piercy Marsden Wright J. C. Hayden Chas. Adie J. P. Slaughter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson J. A. Barwick Jno. R. Williams Hector L. Ball J. S. Hazen E. J. Davenport Fitzhugh Newman Wm. P. Le Roy F. L. Johnson Ella W. Daviels Geo. B. Ackerman G. S. Jones M. B. Do Vane L. H. Murdock Sam'l Bacon. ir		
31	J. J. Kelliher	Services	\$8
	J.J. McLean	do	10
	I W Cronk	do	8.
	F C Gosewisch	do	\$8: 10 10: 8: 10: 60 10: 10:
	J. J. Dosher	do	60
	G. W. Scott	do	103
	Dan'l J. Herndon	do	10.
	T. S. Collins	do	10 10 10 10
	H. McP. Baldwin	do	10
	Jos. P. Bolton	do	20
	R H Sullivan	do	2
	R. H. Alger	do	ĩ
	Chas. M. Boucher	do	2
	H. W. Grasse	do	6
	M. E. Conway	do	8
	Wm. J. Reed	do	8
	Wm. A. Shaw	do	10
	J. C. Piercy	do	10.
	J C Hayden	do	5
	Chas. Adie	do	8 10 8 7 8 10 6
	J. P. Slaughter	do	10
	R.S.Smith	do	6
	Chas. Stewart	do	10
	Maurice Connell	do	10 10 10
	Thos. Gibson.	do	10
	J. A. Barwick	do	10
	Hooton I Poll	do	10 11 10
	J S Hazen	do	10
	E. J. Davenport	do	2
	Fitzhugh Newman	do	10 2 4 4 10 2 7
	Wm. P. Le Roy	do	4:
	F. L. Johnson	do	10
	Ella W. Daniels	do	2
	Geo. B. Ackerman	do	7
	G.S. Jones	do	8 2 12 1
	M. B. De vane	do	19
	Sam'l Bacon in	de	1.0
	O. C. Burrows	Salary	7
	Wm. E. Oliver	Services	8
	J. J. O'Donnell	do	70 84 8-
	B.D. Johnson	do	10: 8- 21: 10:
	Albert Brand	do	10
	M. C. McGuiness	do	8
	W. I. Doz	do	10
	C. P. Cronk	do	10 10 2 10
	Geo. L. Lovett	do	2
	R. Frank Young	do	10
	J. W. Bauer	do	10
	J. W. Byram	,do	10 10 10 10
	Geo. Reeder	do	10
	Ella W. Daniels. Geo. B. Ackerman G. S. Jones M. B. De Vane L. H. Murdock Sam'l Bacon, jr O. C. Burrows Wm. E. Oliver J. J. O'Donnell B. D. Johnson Albert Brand M. C. McGuiness B. M. Jacobs W. L. Day C. P. Cronk Geo. L. Lovett R. Frank Young J. W. Bauer J. W. Bauer J. W. Bauer J. W. Bauer Jos. B. Dillon Ferd. J. Walz et al B. H. Bronson et al B. H. Bronson et al B. H. Bronson et al B. H. Beals et al Geo. M. Chappel et al N. B. Congeret al H. W. Richardson C. L. Shaver G. W. Felger et al S. W. Glenn et al M. J. Wright, jr., et al Geo. A. Loveland et al H. R. Patrick et al H. S. Outram et al H. C. Bates et al E. C. Hobbs et al E. W. McGann et al	Colonica	61
	M R Van Vuonden brag et al	Sataries	61.
	B H Bronson et al	do	61 12 22 40
	David Cuthbertson et al	do	49
	L. M. Pindell et al	do	42 20 41:
	S. S. Bassler et al	do	41
	E. A. Beals et al	do	76:
	Geo. M. Chappel et al.	do	76 41 49
	N. B. Conger et al	do	49
	H. W. Kichardson	do	300 4: 120 21'
	G. W. Felger et al	Services	10
	S W Glenn et al	do	91
	M. J. Wright, ir., et al	do	120
	Geo. A. Loveland et al	do	29
	Geo. N. Wilson et al.	do	11:
	H. R. Patrick et al	do	109
	W. M. Wilson et al	do	48
	T. S. Outram et al	do	29- 11- 109 480 366
	E. C. Hobbs et al.	00	43
	E W McGann et al	do	155 145 625
	- Tr. HCGann et al-		143

ate.	Jas. J. Gray et al Jas. J. Widmeyer et al L. A. Welsh et al J. G. Linsley et al A. F. Sims et al Jno. B. Marbury et al David Fisher et al S. M. Blandford et al J. W. Smith et al P. H. Smyth et al P. H. Smyth et al Chas. Daviset al W. S. Palmer et al Jas. Kenealy et al A. E. Hackettet al J. W. Smith et al J. J. Clorodidine et al E. H. Bowie et al E. H. Demain et al E. W. Cline et al E. R. Demain et al S. L. Dosher et al E. R. Demain et al S. L. J. Gilas et al C. F. R. Wappenhaus et al Alex J. Mitchell et al Patrick Connor et al W. W. Simson et al W. W. Simson et al H. B. Boyer et al G. N. Salisbury et al D. P. McCallum et al U. G. Purssell et al H. E. Wilkinson et al H. E. Wilkinson et al Jno. Grover et al G. H. Hagen et al W. S. Currier et al T. B. Jennings et al W. T. Blythe et al H. B. Dick et al W. H. Fallon et al F. H. Brandenburg et al L. H. B. Dick et al W. H. Fallon et al F. H. Brandenburg et al L. E. Franklin et al C. F. Schneider et al S. C. Emery et al G. E. Franklin et al C. F. Schneider et al E. H. Emery et al E. H. Enery et al E. H. Emery et al E. C. Thompson et al	Nature of payment.	Tota
.898.	,		
ec. 31	Jas. J. Gray et al	Salaries	\$256 208 306 126 306
	Jas. J. Widmeyer et al	do	20
	L. A. Welsh et al.	do	19
	A. F. Sims et al	do .	30
	Jno. B. Marbury et al	do	33
	David Fisher et al	do	12
	S. M. Blandford et al	do	16
	J. W. Smith et al	00	12 16 74 20
	L. N. Jesunofsky et al	do	21
	Chas. Daviset al.	do	13 29 43
	W. S. Palmer et al.	ĝo	29
	Jas. Kenealy et al	do	43
	A. E. Hackettet al.	do	17
	J. M. Sherier et al	do	17 45 19
	E. H. Bowie et al	do	19
	Albert Ashenberger et al	do	12 19
	T. J. Considine et al.	do	19
	F H Nimmo et al	ao	12
	E. M. Bayenscroft et al	do	19 12 43 13
	I. M. Cline et al	do	43
	E. R. Demain et al	do	13
	S. L. Dosher et al	do	13
	E.J. Glass et al	do	18
	Alex J Mitchell et al	do	44 29
	Patrick Connor et al	do	29
	W. U. Simons et al.	do	18
	W. M. Fulton et al	do	14 21
	H. B. Boyer et al	do	21 23
	D. P. Met allum at al	do	12
	U. G. Purssell et al	do	12
	H. E. Wilkinson et al	do	12 20
	Jno. Craig et al	do	13
	Jno. Grover et al	do	11
	W. S. Currier et al	do	13 11 12 21
	T. B. Jennings et al	do	14
	W. T. Blythe et al	do	30 12
	H. B. Dick et al	do	12
	W. H. Fallon et al	do	21 52
	Lee A Denson et al	do	11
	J. H. Smith et al	do	11 18
	W. M. Dudley et al	do	18
	R. J. Hyatt et al	do	54
	H. B. Hersey et al.	do	45 21
	C. F. Schneider et al	do	14
	S. C. Emery et al	do	30
	F. P. Chaffee et al.	do	30 31 21
	W. W. Neifert et al	do	21
	L. M. Tarr et al	do	12
	Chas M Strong et al	do	21 62 21 12 57 21 34 11 22 59
	A. B. Crane et al	do	• 12
	L. M. Dey et al	do	57
	W. G. Burns et al	do	21
	Frank Ridgway et al	do	34
	F. P. Jones et al.	do	99
	B. S. Pague et al	do	59
	C. F. von Herrmann et al	do	59° 38°
	E. A. Evans et al	do	30
	Orin Parker et al.	do	189 286 200
	H. H. Curley et al	do	28
	F. A. Carpenter et al	do	110
	E. C. Thompson et al	.do	126
	G. H. Willson et al.	do	116 126 589 180 126
	R. M. Hardinge et al	do	180
	Alex. G. Burns et al	ao	126
			95, 23

WEATHER	BUREAU-GENER	AL EXPENSE—S	ALARIES—Continued.
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Date.	R. C. Williams E. B. Richards et al J. D. Blagden Wm. H. Carpenter J. H. Kimball Jno. J. Herron Alex. P. Thoms W. T. Sherard E. B. Richards Paul F. Wagner Jay A. Bonsteel Paul F. Wagner Maurice Connell Thos, Gibson Jas. A. Barwick L. H. Murdock Jno. R. Williams H. L. Ball L. G. Schultz Wm. P. Le Roy F. L. Johnson Ella W. Daniels Geo. B. Ackerman Wm. E. Oliver Jno. J. O'Donnell B. D. Johnson Albert Brand W. C. McGuiness W. L. Day C. P. Crok Geo. L. Lovett R. F. Young J. W. Bauer Jno. W. Byram Geo. Reeder D. R. Morris Max Wagner G. T. Todd J. P. Fallibee A. H. Bell N. D. Lane F. R. Beahan Wayland Bailey G. W. Eddey R. L. Anderson Chas. W. Ling A. H. Earle Chas. M. Boucher Wm. A. Shaw E. J. Davenport G. S. Jones Francis C. Hall Jos. P. Bolton D. C. Murphy H. McP. Baldwin H. Curtis J. J. Kelliher J. J. Kelliher J. J. McLean R. G. Allen J. W. Prasse Wm. J. Reed M. E. Conway Jos. P. Bolton D. C. Murphy H. McP. Baldwin H. Curtis J. J. Kelliher J. J. McLean R. G. Allen J. W. Cronk F. Z. Gosewisch Jos. P. Josher Geo. W. Scott T. S. Collins H. W. Grasse Wm. J. Reed M. E. Conway Jos. P. Bolton D. C. Murphy J. J. McLean R. G. Allen J. J. Prasse Wm. J. Reed M. E. Conway Jos. P. Bolton D. C. Murphy J. J. McLean R. G. Allen J. J. P. Falliher R. S. Smith Chas. Stewart B. M. Boobs A. H. Boobs A. H. Boobs A. H. Borler R. S. Smith Chas. Stewart B. M. Jacobs A. B. Wollaber et al C. F. von Herrmann et al Orin Parker et al H. Doc. 173——14	Nature of payment.	Total.
1899.			
an. 5	R.C. Williams	Services	\$12.90 303.68 111.20
~	E. B. Richards et al	Salaries	303.68
7	Wm H Carpenter	do	10.87
10	J. H. Kimball	do	14.00
17	Jno. J. Herron	do	14.00 13.59
19	Alex. P. Thoms	do	4.03
20	W. T. Sherard	do	13. 59 4. 03 22. 16 43. 38 62. 50 3. 23 32. 50 103. 30 103. 30
20 30	E. B. Richards	do	43.38
90	Jay A Ronsteel	do	3 23
	Paul F. Wagner	do	32.50
31	Maurice Connell	do	103.30
	Thos. Gibson	do	103.30
	Jas. A. Barwick	do	103. 30 103. 30 129. 20 103. 30 120. 60 72. 30 43. 10 103. 30
	Ino P Williams	do	103 30
	H. L. Ball	do	120.60
	L. G. Schultz	do	72.30
	Wm.P. Le Roy	do	43. 10
	F. L. Johnson	do	103.30
	Ella W. Daniels	do	25.00
	Wm E Oliver	do	72.30 86.10
	Jno. J. O'Donnell	do	86. 10
	B. D. Johnson	do	25. 00 72. 30 86. 10 86. 10 25. 00 103. 30
	Albert Brand	do	103.30
	W. C. McGuiness	do	86, 10 103, 30 111, 90 25, 00 103, 30 111, 90
	W. L. Day	do	103.30
	C.P. Cronk	do	111.90
	R F Voung	do	103.30
	J. W. Bauer	do	111.90
	Jno. W. Byram	do	103, 30
	Geo. Reeder	do	103.30 103.30
	D. R. Morris	do	10.00
	Max Wagner	do	44.44
	J. D. Fallihaa	do	103, 30
	A H Roll	do	103.30 62.00 103.30 103.30
	N. D. Lane	do	103.30
	F. R. Beahan	do	94.70
	Wayland Bailey	do	94.70 103.30 103.30
	G. W. Eddey	do	103.30
	R. L. Anderson	do	86.10
	Chas. W. Ling	do	86.10
	Chas M Roughar	do	86. 10 12. 10 25. 00
	Wm. A. Shaw	do	86.10
	E. J. Davenport	do	25.00
	G.S. Jones	do	86.10
	Francis C. Hall	do	86. 10 103. 30
	D.C. Mumby	do	103.30
	H McP Roldwin	do	103.30 103.30 16.00
	H. Curtis	do	16.00
	J. J. Kelliher	do	86.10
	J. J. McLean	do	86. 10 103. 30 86. 10 103. 30 62. 00 103. 30 72. 30 86. 10 72. 30 103. 30 103. 30 103. 30 103. 30 22. 30 103. 30 86. 10 72. 30 86. 10 72. 30 86. 10 72. 30 86. 40 103. 30 25. 80 454. 90
	R.G. Allen	do	111.90
	J. W. Cronk	do	86.10
	F. Z. Gosewisch	00	103. 30
	Geo W Scott	do	103.00
	T.S. Collins	do	103.30
	H. W. Grasse	do	72.30
	Wm. J. Reed	do	86.10
	M. E. Conway	do	72.30
	Manadan Wwish	do	103.30
	J. C. Haydan	do	86. 10 79. 20
	Chas. Adie	do	86.10
	J.P. Slaughter	oo	103, 30
	R. S. Smith	do	62.00
	Chas. Stewart	do	103.30
	B. M. Jacobs	do	25.80
	A. B. Wollaber et al	Salaries	454.90
	Orin Parker et al	do	304, 00
	H. H. Curley et al	do.	184.20 118.30
	II D - 170 14	dO	110.00
	H. Doc. 173——14		

Date.	R. J. Hyatt et al H. B. Boyer et al P. F. Lyons et al L. C. Thompson et al Juno. S. Hazen et al Jas. H. Smith et al F. A. Carpenter et al R. M. Hardinge et al A. G. Burns et al G. N. Salisbury et al D. P. McCallum et al Juno. Craig et al Juno. Grover et al G. H. Hagen et al W. S. Currier et al T. P. Jennings et al Harvey P. Dick et al W. H. Fallon et al G. E. Franklin et al A. B. Crane et al G. M. Strong et al L. A. Welsh et al J. J. Widmeyer et al J. J. Widmeyer et al J. G. Linsley et al J. J. J. Widmeyer et al Jas. J. Gray et al E. H. Emory et al Alex. G. McAdie et al E. W. McGann et al E. C. Hobbs et al H. C. Bate et al W. M. Wilson et al H. C. Bate et al W. M. Wilson et al C. E. O. Ennery et al J. J. J. Widmeyer et al J. J. J. Widmeyer et al J. J. Widmeyer et al Alex. G. McAdie et al L. M. Tarr et al E. C. Hobbs et al H. C. Bate et al H. C. Bate et al H. C. Bate et al H. G. Bate et al W. M. Wilson et al C. E. O. Ennery et al J. J. J. Herrick et al H. B. Hersey et al J. J. Herrick et al H. B. Hersey et al Geo. A. Loveland et al D. J. Herrick et al H. B. Hersey et al Geo. A. Loveland et al D. J. Herrick et al H. B. Hersey et al Geo. A. Invight, jr., et al W. W. Simons et al C. F. Schneider et al Alex. J. Mitchell et al G. F. Schneider et al Alex. J. Mitchell et al G. F. Schneider et al Alex. J. Mitchell et al G. F. Schneider et al Alex. J. Wilson et al D. J. Herrick et al D. J. Her	Nature of payment.	Total	
1899.				
n. 31	R. J. Hyatt et al	Salaries	\$55 14 29	
	H. B. Boyer et al.	do	14	
	P. F. Lyons et al	do	29	
	E. C. Thompson et al	do	12 18 18 11 18 12 24 12 13 11 12 21 15	
	Jno. S. Hazen et al.	00	12	
	F A Comporter et al	00	18	
	R. M. Hardinge et al	do	18	
	A G Burns et al	do	12	
	G. N. Salisbury et al.	do	24	
	D. P. McCallum et al	do	12	
	Jno. Craig et al	do	13	
	Jno. Grover et al	do	113	
	G. H. Hagen et al	do	12	
	W.S. Currier et al.	do	21	
	T. P. Jennings et al.	do	15	
	W U Fellon et al	do	91	
	G E Evanklin at al	do	10	
	A B Crane et al	do	12	
	C. M. Strong et al	do	21	
	L. A. Welsh et al	do	31	
	J. G. Linsley et al	do	12	
	J. J. Widmeyer et al.	do	20	
	Jas. J. Gray et al	do	12 21 18 12 21 31: 12 20 18 64 63	
	E. H. Emory et al	do	64	
	Alex. G. McAdie et al	do	63 12 15 15 44	
	L. M. Tarr et al.	do	12	
	E. W. McGann et al	do	15	
	E. C. Hobbs et al.	00	15	
	Wm W Noifort et al	do	91	
	F P Chaffee et al	do	21- 32- 19- 38:	
	Wm M Dudley et al	do	19	
	T. S. Outram et al	do	38	
	W. M. Wilson et al	do	52	
	Lee A. Denson et al	do	123	
	S. C. Emery et al	do	52 12 31	
	H. R. Patrick et al.	do	11 46	
	H. B. Hersey et al	do	4.6	
	Geo. N. Wilson et al.	do	12: 37: 12: 12: 14:	
	D. I. Houndon et al	00	19	
	M. I Wright in at al	do	12	
	W. M. Fulton et al	do	14	
	W. U. Simons et al.	do	18 14 29	
	C. F. Schneider et al.	do	14	
	Alex. J. Mitchell et al	do	29	
	C. F. R. Wappenhans et al	do	45	
	S. W. Glenn et al.	do	22.	
	Elvin J. Glass et al	do	19	
	E. P. Jones et al.		25	
	P. O. Grant et al	do	22 19 23 35 11 9 22 58 60 34	
	O C Burrows et al	do	11	
	Wm. G. Burns et al	do	22	
	Luther M. Dev et al	do	58	
	Geo. H. Wilson et al.	do	60.	
	E. P. Richards et al	do	. 34	
	Alfred P. Sims et al	do	220	
	Jno. B. Marbury et al.	do	424 126 620	
	David Fisher et al	do	123	
	Ferd. J. Walz et al.	do	520	
	J. M. Diantiford et al	do	130 750 430	
	David Cuthbartson et al	do	190	
	P. M. Smyth et al	do	204	
	L. N. Jesunofsky et al	do	204 216 135	
	Chas. Davis et al	do	13	
	L. M. Pindell et al	do	204	
	W. S. Palmer et al	do	209	
	E. A. Beals et al	do	204 209 825 427	
	S. S. Bassler et al	do	427	
	Jas. Kenealy et al	do	441	
	A.E. Hackett et al	do	441 178 471	
	J. W. Smith et al	do	471	
	J. M. Sherier et al	do	198	
	N. D. Congon et al	do	424 458 128	
			4.00	

Date.	H. W. Richardson et al. Albert Ashenberger et al. T. J. Considine et al. Geo. W. Wurtz et al. E. H. Nimmo et al. J. Do. D. Blagden et al. E. H. Nimmo et al. J. Do. D. Blagden et al. E. A. Evans et al. E. M. Ravenscroft et al. E. M. Ravenscroft et al. I. M. Cline et al. G. W. Felger et al. G. W. Felger et al. G. W. Felger et al. E. R. Demain et al. J. D. Stewart et al. E. R. Demain et al. J. D. C. Paxton B. H. Bronson et al. Eliz. L. Renoe. M. B. De Vane A. J. Davis Patrick Connor et al. H. E. Wilkinson et al. U. G. Purssell et al. G. J. O'Connor Wm. D. Fuller Howard M. Dorr A. J. Goulter Jas. L. Bartlett G. F. von Ostermann J. F. Harper Chas. C. Grant E. J. Lindberg Chas. L. Gorgas Chas. C. Grant B. J. Davenport Fitzhugh Newman F. L. Johnson Ella W. Daniels A. J. Davis G. F. von Ostermann Jos. P. Bolton R. L. Anderson J. J. Dosher Temple Brown C. M. Boucher G. B. Ackerman W. E. Oliver H. McP. Baldwin Jno. J. O'Donnell B. D. Johnson Albert Brand W. C. McGuiness B. M. Jacobs W. L. Day G. S. Jones C. P. Cronk Geo. L. Lovett Jas. H. Smith J. W. Bauer J. W. Byram Geo. Reeder David R. Morris Geo. W. Eddey Chas. W. Elling J. J. Goliter J. H. Bell F. R. Beahan Wayland Eailey Geo. W. Eddey Chas. W. Elling J. J. Goliter J. J. Hael J. R. Beahan Wayland Bailey Geo. W. Eddey Chas. W. Elling J. J. Goliter	Nature of payment.	Tota
1899.			
an. 31	H. W. Richardson et al	Salaries	\$240
	Albert Ashenberger et al	do	128
	T.J. Considine et al	do	128 199 128 128 128 78 237 514
	E. H. Nimmo et al	do	128
	Jno. D. Blagden et al	do	78
	Eva M. Brooks et al	do	237
	F. H. Brandenburg et al	do	514
	Wm T Blythe et al	do	312 226 137
	S. L. Dosher et al	do	137
	E. M. Ravenscroft et al	do	101
	I. M. Cline et al	do	514
	G. W. Felger et al	do	514 128 138
	E. R. Domain et al	do	141
eb. 2	Jno. C. Paxton	Services	7
	B. H. Bronson et al	Salaries	239
	Eliz. L. Renoe	Services	25
	M. B. De Vane	do	25 25 25
	Patrick Connor et al	Salaries	908
	H. E. Wilkinson et al.	do	131
	U.G. Purssell et al	do	298 131 128 25
3	G.J. O'Connor	Services	25
	Wm. D. Fuller	do	21
7	A J. Goulter	do	20
·	Jas. L. Bartlett	do	.4
9	G. F. von Ostermann	do	48
20	J. F. Harper	do	44
20	Chas. C. Grant	do	9
21	Chas I. Gorgas	do	34 58 11
.21 .23 28	Chas. C. Grant	do	11
28	R. Frank Young	do	85
	H. L. Ball	do	108
	E.J. Davenport	00	2: 86
	F L. Johnson	do	99
	Ella W. Daniels	do	2
	A. J. Davis	do	98 25
	G. F. von Ostermann	do	41
	P. I. Andorson	do	93 56
	J. J. Dosher	do	56
	Temple Brown	do	40
	C. M. Boucher	do	25 65
	G. B. Ackerman	do	65
	H McP Reldwin	do	77 93
	Jno. J. O'Donnell	do	77
	B. D. Johnson	do	25
	Albert Brand	do	98
	W. C. McGumess	do	77 28
	W. L. Day	do	25
	G. S. Jones	do	77
	C. P. Cronk	do	98 77 101
	Geo. L. Lovett	do	25 98 101 98
	Jas. H. Smith	do	98
	J W Ryram	do	101
	Geo. Reeder	do	98
	David R. Morris	do	10
	Geo. T. Todd	do	93
	Wm. P. Le Roy	do	38
	Daniel C. Murphy	do	56 98
	N. D. Lane	do	93
	A. H. Bell	do	93
	F. R. Beahan	do	85
	Wayland Bailey	do	93
	Chas W Line	0D	93
	J. J. Kelliher	do	77 77
	A.J. Goulter	do	9
	J.J. McLean	do	93
	F. Z. Gosewisch	do	93 93

Date.	J. C. Piercy J. P. Slaughter Chas. Stewart Maurice Connell Thos. Gibson Jas. A. Barwick J. W. Cronk Wm. J. Reed Marsden Wright Chas. Adie H. W. Grasse M. E. Conway J. C. Hayden R. S. Smith Frank Peterson M. B. De Vane J. W. Smith et al. J. M. Sherier et al F. H. Brandenberg et al Geo. M. Chappel et al N. B. Conger et al Albert Ashenberg et al E. H. Nimmo et al E. H. Nimmo et al E. H. Nimmo et al E. H. Ravenscroft et al G. M. Gleen et al O. D. Stewart et al E. R. Ravenscroft et al E. R. Round et al C. F. R. Wappenhaus et al E. J. Glass et al S. W. Glenn et al C. F. R. Wappenhaus et al D. J. Herndon et al G. A. Loveland et al G. A. Loveland et al G. A. Loveland et al E. H. P. H. Smythet al L. M. Pindell et al W. W. Splamer et al E. H. Bensie et al D. J. Herndon et al G. A. Loveland et al G. A. Loveland et al G. A. Loveland et al E. H. Bowie et al L. M. Pindell et al W. S. Palmer et al E. H. Bowie et al D. J. Wright, jr., etal W. M. Wilson et al E. B. Richards et al H. B. Hersey et al E. B. Richards et al H. B. Herrey et al L. B. Richards et al H. B. Herrey et al L. B. Richards et al H. B. Herrey et al L. C. Hoshen et al L. M. J. Wright, jr., etal W. M. Wilson et al L. M. Drundel et al M. J. Wright, jr., etal W. M. Dudley et tal F. P. Chaffee et al H. D. J. Gray et al L. M. H. R. Patrick et al L. M. H. Gray et al L. M. G. Allen et al Alex. G. MocAdie et al L. M. G. Henery et al L. M. G. Allen et al Alex. G. MocAdie et al L. M. G. Henery et al L. M. H. H. Henery et al L. M. H. H. Henery et al L. M. H. H. Henery et al L. M. Henery	Nature of payment.	Total.
1899.			
eb. 28	J. C. Piercy	Services	\$93. 93.
	J. P. Slaughter	do	93.
	Mourice Connell	do	96. 96.
	Thos. Gibson	do	96. 96.
	Jas. A. Barwick	do	93.
	Jno. R. Williams	do	93.
	J. W. Cronk	do	77. 77. 77.
	Wm. J. Reed	do	77.
	Chas Adio	do	77.
	H W Grasse	do	65
	M. E. Conway	do	65. 65.
	J. C. Hayden	do	65.
	R. S. Smith	do	56. 37.
	Frank Peterson	do	37.
	M. B. De Vane	Calaria	25. 431.
	J. W. Smith et al	Salaries	170
	F. H. Brandenberg et al	do	179. 467.
	Geo. M. Chappel et al	do	386
	N. B. Conger et al	do	386. 389. 118.
	Albert Ashenberg et al	do	118.
	H. W. Richardson et al.	do	219
	Geo. B. Wurtz et al.	do	118 183
	E. M. Ravenscroft et al	do	118
	I. M. Cline et al	do	467
	O. D. Stewart et al	do	123
	E. R. Demain et al	do	131
	E. J. Glass et al	do	118 467 123 131 174 202 412 272 167
	S. W. Glenn et al.	do	202
	C. F. R. Wappenhaus et al.	do	412
	W II Simons et al	do	187
	W. M. Fulton et al	do	131
	C. F. Schneider et al	do	131 133
	D. J. Herndon et al	do	118
	G. A. Loveland et al	do	342
	Geo. E. Franklin et al	do	118 342 182 113
	David Fisher et al.	do	100
	I. M. Pindell et al	do	199 186 191 750
	W.S. Palmer et al	do	191
	E. A. Beals et al	do	750
	E. H. Bowie et al	do	118
	T. J. Considine et al	do	181 118
	Robt G Allen et al	do	126
	Alex J Mitchell et al	do	272
	M. J. Wright, jr., et al	do	272 118
	W. M. Wilson et al	do	479
	E.B. Richards et al.	do	362 419 118 102
	H. B. Hersey et al	do	419
	H R Patrick et al	do	109
	Saml, C. Emery et al	do	284
	Lee A. Denson et al.	do	284 118
	T. S. Outram et al	do	. 345
	W. M. Dudley et al	do	. 173
	F. P. Chaffee et al.	do	295 489
	E.C. Hobbs et al.	do	489
	E. W. McGann et al	do	141
	L. M. Tarr et al	do	141 141 118 487 582
	Alex. G. McAdie et al.	do	487
	E. H. Emery et al.	do	582
	J.J. Gray et al	do	259 204
	J.J. Widmeyer et al.	do	204 284
	J. G. Lingley et al	do	118
	C. M. Strong et al	do	118 264
	G. H. Hagen et al	do	113
	W. S. Currier et al	do	196
	Thorp B. Jennings et al	do	141. 284. 120.
	Wm. T. Blythe et al	do	284.
	H. B. Dick et al	do	120.
	W. H. Fallon et al	do	196. 124. 196.
	D. H. DUSHEL CU al	u0	104

Date.	Name.	Nature of payment.	Total.
1899.			
eb. 28	W. A. Shaw E. A. Evans et al	Services	\$77. 284.
	E. A. Evans et al	Salaries	118
	E. A. Evans et al. A. B. Crane et al. L. M. Dey et al. W. G. Burns et al. O. C. Burnows et al. Frank Ridgway et al. R. Q. Grant et al. E. P. Jones et al. A. B. Wollaber et al. C. F. von Herrmann et al. Orin Parker et al. R. J. Hyatt et al. R. J. Hyatt et al. P. F. Lyons et al.	do	532
	W. G. Burns et al.	do	118. 532 204
	O. C. Burrows et al	do	90
	Frank Ridgway et al	do	320. 108.
	E P Jones et al	do	209
	A. B. Wollaber et al	do	349
	C. F. von Herrmann et al	do	349 199
	Orin Parker et al	do	166
	R. J. Hyatt et al P. F. Lyons et al L. H. Murdoch et al H. H. Curley et al F. A. Carpenter et al E. C. Thompson et al Geo. H. Wilson et al R. M. Hardinge et al Alex. G. Burns et al	do	504 264
	L. H. Murdoch et al	do	194
	H.H.Curley et al	do	108
	F. A. Carpenter et al	do	107
	E. C. Thompson et al	do	118 546
	D. M. Hardings et al	do	116
	Alex G Burns et al	do	126
	H. B. Boyer et al G. N. Salisbury et al D. P. McCallum et al	do	126 227 222
	G. N. Salisbury et al	do	222
	D. P. McCallum et al	do	118
	U. G. Purssell et al	do	118 186
	J. Craig et al	do	126
	D. P. McCarlini et al. C. G. Purssell et al. H. E. Wilkinson et al. J. Craig et al. J. S. Hazen et al.	do	118
	J. S. Hazelf et al. A. F. Sims et al. Jno. B. Marbury et al Fred. J. Walz et al. Eva M. Brooks et al	do	284 386
	Jno. B. Marbury et al	do	386 571
	Fred. J. Walz et al.	do	143
	Eva M. Brooks et al B. H. Bronson et al S. M. Blandford et al J. W. Smith et al David Cuthbertson et al L. N. Jesunofsky et al Chas. Davis et al	do	219
	S. M. Blandford et al	do	191
	J. W. Smith et al	do	622
	David Cuthbertson et al	do	396 197
	L. N. Jesunofsky et al.	do	123
	Gras Davis et al. S. S. Bassler et al. Jas. Kenealy et al. A. E. Hacket et al. Geo. F. von Osterman Jno. Grover	do	389
	Jas. Kenealy et al	do	401 163
	A. E. Hacket et al	do	163
r. 2	Geo. F. von Osterman	Services	36
	Eliz I Renor	do	93 25
9	Eliz, J. Renor A. J. Muffett	do	4
16	C. A. Nick H. D. Ponnay A. B. Nichols A. B. Pitman Alex Reynick L. S. Fitch Danl. McCallum	do	105 83 2
	A.B. Nichols	OD	00
	Alex Revnick	do	19
	L.S. Fitch	do	1
18	Danl. McCallum	do	69
90	Jessie A. Brown J. T. Harper	do	9
20	Geo R. Wilson	do	6
	L. V. Russell	do	72 6 13
21 31	Geo. R. Wilson L. V. Russell Edwd. Gercke Jno. T. Harper A. B. Nichols	do	To.
31	Jno. T. Harper	do	5 55
	A. B. Nichols Chas. Adie	do	
	Chas. D. Reed	do	2
	J. P. Slaughter	do	103
	Robt. S. Smith	do	62
	Chas D. Reed J. P. Slaughter Robt. S. Smith Maurice Connell	do	103
	Jas. A. Barwick Jno. R. Williams H. McP Baldwin	do	103 62 103 103 103 103 103
	H. McP Baldwin	do	103
	J. J. O'Donnell	do	86
	Albert Brand	do	86 103 86
	W. C. McGuiness	do	86
	C. P. Cronk	do	63 111
	A. A. Burn	do	
	J. W. Bauer	do	111
	Jno. W. Byram	do	111 103 43 62
	Wm.P.Le Roy	do	43
	J. J. O'Donnell Albert Brand W. C. McGuiness W. M. Husson C. P. Cronk A. A. Burn J. W. Bauer Jno. W. Byram Wm. P. Le Roy J. P. Fallihee N. D. Lane Aaron H. Bell F. R. Beahan	do	103
	Aaron H Rell	do	103 103 94

## 214 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30, 1899-{\bf Cont'd.}$ 

Date.	Name.	Nature of payment.	Total
1899.	Wayland Bailey J. J. Kelliher Jno. J. McLean F. Z. Gosewisch Jno. J. Dosher Geo. W. Scott M. E. Conway Marsden Wright J. C. Hayden W. E. Oliver Eliz. L. Reno F. W. Conrad Gideon S. Jones Danl. McCallum Thos. H. King Jessie A. Brown A. B. Nichols W. E. Berry W. T. Blythe M. B. De Vane Ella W. Daniels Fitzhugh Newman Balfe D. Johnson Benj. M. Jacobs W. L. Day Geo. L. Lovett Jas. H. Smith Geo. Reeder David R. Morris Geo. T. Todd Dan. C. Murphy Jas. P. Bolton Geo. W. Eddey Chas. W. Ling J. W. Cronk C. W. Boucher H. W. Grasse W. A. Shaw J. C. Piercy Chas. Stewart Thos. Gibson Ezek. S. Nichols H. L. Ball E. J. Davenport F. L. Johnson Geo. B. Ackerman A. F. Sims et al David Fisher et al F. L. Johnson Geo. B. Ackerman A. F. Sims et al David Fisher et al F. J. Walz et al Eva M. Brooks et al Bayron H. Bronson et al S. M. Blandford et al J. W. Smith et al David Cuthbertson et al E. A. Beals et al J. W. Sarpinet et al F. J. Baylmer et al F. H. Brandenburg et al Geo. B. Mchappel et al F. H. Brandenburg et al Geo. B. W. Cappel et al F. H. Brandenburg et al Geo. B. W. Cappel et al Geo. B. Wurtz et al E. A. Beals et al J. W. Spreire et al F. H. Brandenburg et al Geo. B. Wurtz et al E. H. Bronson et al E. H. Bronson et al E. H. Brandenburg et al Geo. B. Wurtz et al E. H. Bronson et		
Iar. 31	Wayland Bailey	Services	\$103
	J.J. Kelliher	do	86 103 103
	F Z Gospwisch	do	103
	Jno. J. Dosher	do	62 103 72 86
	Geo. W. Scott	do	103
	M. E. Conway	do	72
	Marsden Wright	do	86
	W E Olivor	do	72 86
	Eliz, L. Reno	do	86 25
	F. W. Conrad	do	99
	Gideon S. Jones	do	86 103
	Dani. McCallum	do	103
	Jaccie A Brown	do	33 25 30
	A. B. Nichols	do	30
	W. E. Berry	do	49 129 25
	W. T. Blythe	do	129
	M. B. De Vane	do	25
	Ella W. Daniels	do	25
	Palfo D. Johnson	00do	103
	Beni M Jacobs	do	25 25 103
	W. L. Day	do	103
	Geo. L. Lovett	do	25
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	Chas. W. Ling	do
	J. J. Kelliher	do
	Jno. J. McLean	do
	Nathan D. Lane	do
	J. W. Cronk	do
	F Z Gosowiach	do
	Jos J Dosher	do
	Chas. M. Boucher	do
	H. W. Grasse	do
	Walter H. Scholl	do
	M. E. Conway	do
	Jos. C. Piercy	do
	Marsden Wright	do
	Joseph A Proper	do
	Chae Adia	00 
	Thos Crawford	do
	Maurice Connell	do
	Thos. Gibson	do
	Jno. R. Williams	do
	Jas. A. Barwick	do
	Chas. Stewart	do
	Robt. S. Smith	do
	Fitzhugh Newman	do
	F.L.Jonnson	
	Lulius C. Hayden	do
	Gideon S. Iones	0b
	M B De Vane	do
	Allen Buell	do
	Wm. E. Oliver	dodo
	Jno. J. O'Donnell	dodo
	Albert Brand	do
	W. C. McGuiness	do
	Benj. M. Jacobs	do
	W.L.Day	do
	F. K. Beanan	do
	Coo I I ovett	00
	Jos H Smith	do
	Hanny T. Johnson	do
	Jacob W. Panon	do
	Jacob W. Dauer	uo

Date.	Jno. W. Byram David R. Morris Geo. Reeder Wm. P. Le Roy Geo. T. Todd W. A. Shaw Geo. G. Harkness Eliz. L. Renoe Chas. M. Strong et al Wm. G. Burns et al A. B. Crane et al T. F. Townsend et al Orville C. Burrows et al Frank Ridgway et al E. P. Jones et al E. P. Jones et al E. P. Jones et al C. F. von Herrmann et al E. dwd. A. Evans et al Corin Parker et al Corin Parker et al Corin Parker et al Robt J. Hyatt et al Henry H. Curley et al Frank Ridgway et al E. P. Jones et al Corin Parker et al Robt J. Hyatt et al Corin Parker et al Robt J. Hyatt et al Geo. H. Willson et al Geo. H. Willson et al Geo. H. Willson et al Harry B. Boyer et al Jno. Craig et al Jno. Grover et al Jno. Grover et al Geo. Hass Hagen et al W. S. Currier et al Harryey B. Dick et al W. S. Currier et al Harryey B. Dick et al W. H. Fallon et al Harryey B. Dick et al Harrison McP Baldwin et al Geo. N. Salisbury et al Jno. S. Glame et al L. B. W. H. Fallon et al E. M. Ravencroft et al E. M. Ravencroft et al E. M. Ravencroft et al E. R. Demain et al E. W. Glenn et al E. W. Glenn et al C. F. Schneider et al W. J. Wright, jr., et al C. F. Schneider et al W. J. Wilsons et al W. J. Wright, jr., et al C. F. Schneider et al Dan. J. Herndon et al Geo. A. Sulsbury et al Dan. J. Herndon et al Geo. A. Sulsbury et al De. M. G. J. Grover et al E. W. H. Fallon et al E. W. H. Fallon et al E. W. H. Fallon et al E. B. W. H. Fallon et al E. B. Demain et al E. R. Der Hurght, jr., et al C. F. Schneider et al E. R. H. L. W. H. Fallon et al E. R. H. L. W. H. Fallon et al E. R. Deven et	Nature of payment.	Total
1899.			
ay 31	Jno. W. Byram	Services	\$102.
	David R. Morris	do	\$102. 10. 102. 42. 102. 85. 85. 25.
	Wm P Lo Roy	00 do	102.
	Geo. T. Todd	do	102
	W. A. Shaw	do	85.
	Geo. G. Harkness	do	85.
	Eliz. L. Renoe	do	25.
	Wm G Burns et al	Salaries	224.
	A. B. Crane et al	do	221. 127. 578.
	T. F. Townsend et al	do	578.
	Orville C. Burrows et al	do	96
	P.O. Crent et al	do	96. 348. 117.
	E P Jones et al	do	212
	A. B. Wollaber et al	do	379
	C. F. von Herrmann et al.	do	212. 379. 403.
	Edwd. A. Evans et al	do	309.
,	Orin Parker et al	0D	182.
	Patrick F. Lyons et al	do	182. 550. 289.
	L. H. Murdoch et al	do	291
	Henry H. Curley et al	do	202 117 127
	Ford A. Carpenter et al.	do	117
	Goo H Willson et al	do	595
	Robt, M. Hardinge et al	do	182
	Alex G. Burns et al	do	182 207
	Harry B. Boyer et al	do	238
	Jno. Craig et al	do	118. 127. 127.
	Jno. S. Hazen et al	d0	127
	Ino Grover et al	do	117
	Geo. Hass Hagen et al.	do	122
	W.S. Currier et al	do	117. 122. 212.
	T. B. Jennings et al.	do	152 381
	Harvoy R Diek et al	do	381
	W H Fallon et al	do	219
	Albert J. Davis et al	do	126.
	Harrison McP. Baldwin et al	do	381. 128. 212. 126. 127. 423.
	Geo. N. Salisbury et al	do	423.
	Thos I Considing et al	00	127.
	E. M. Ravencroft et al	do	127. 197. 127. 127. 437. 127.
	Isaac M. Cline et al.	do	437.
	G. W. Felger et al	do	127.
	O.D. Stewart et al	do	132.
	Saml I. Dosher et al	do	139. 136.
	Elvin J. Glass et al	do	199.
	S. W. Glenn et al.	do	219.
	Robt. G. Allen et al	do	222
	C.F. K. Wappenhaus et al.	do	451.
	Patrick Connor et al	do	224. 206
	W. U. Simons et al	do	296. 182. 142. 127.
	Weston M. Fulton et al	do	142
	M.J. Wright, jr., et al	do	127.
	C. F. Schneider et al.	do	152.
	Geo A Loveland et al	do	127.
	E. B. Richards et al	do	376. 433.
	Geo. E. Franklin et al	do	291.
	A. F. Sims et al	do	238. 122.
	Fording of J. Wolg et al	do	122.
	M. B. Van Vradenburg at al	00 do	620.
	Henry B. Hersey et al	do	620. 197. 456. 127.
	Geo. N. Wilson et al	do	127
	A. F. Sims et al David Fisher et al Ferdinand J. Walz et al M. B. Van Vradenburg et al Henry B. Hensey et al Geo. N. Wilson et al T. S. Collins et al H. R. Patrick et al Saml. C. Emery et al Lee A. Denson et al W. M. Wilson et al Thos. S. Outram et al Wm. M. Dudley et al Frank P. Chaffee et al W. W. Neifert et al	do	132. 110.
	H. K. Patrick et al.	do	110.
	Lee A. Denson et al	00	309.
	W. M. Wilson et al	do	127. 537
	Thos. S. Outram et al	do	537. 425.
	Wm. M. Dudley et al	do	198
	Frank P. Chaffee et al.	do	321. 282.

Date.	Henry C. Bate et al Everett C. Hobbs et al E. W. McGann et al E. W. McGann et al L. M. Tarr et al Jas. J. Gray et al Jas. J. Gray et al Jas. J. Widneyer et al Jas. J. Widneyer et al Julius G. Linsley et al B. H. Bronson et al Saml. L. Blandford et al David Cuthbertson et al Patrick H. Smyth et al L. N. Jesunofsky et al L. N. Jesunofsky et al L. N. Jesunofsky et al L. N. Pindell et al Walter S. Palmer et al Jas. Kenealy et al Edwd. A. Beals et al S. S. Bassler et al A. E. Hackett et al Julius M. Sherier et al F. H. Brandenburg et al Geo. M. Chappel et al N. B. Conger et al E. H. Bowie et al H. W. Richardson et al E. H. Nimmo et al Geo. B. Wurtz et al Albert Ashenberger et al J. W. Smith et al J. W. Smith et al J. W. Smith et al J. J. Lynch Albert W. Reese Edwd. Didlake Wm. E. Smith Obie K. Johnson E. J. Davenport M. J. Lynch Albert W. Reese Edwd. Didlake Wm. E. Smith Obie K. Johnson Harry B. Nichols Edmund Didlake J. P. Slaughter Frank Wilkins Geo. W. Scott E. A. Sandusky Jn. J. Co'Donnell Albert Brand C. P. Cronk Geo. B. Geoder Wm. L. Le Roy Geo. T. Todd J. P. Fallihee Aaron H. Bell Wayland Bailey Jos. P. Bolton Geo. W. Ling Eliz. L. Renoe C. H. Hobson Henry Connaroe Thos. Gibson T. J. Kelliher T. J. Kelliher T. J. K. Lenee C. H. Hobson Henry Connaroe Thos. Gibson T. J. Kelliher T. J. K. Lenee C. H. Hobson Henry Connaroe Thos. Gibson T. J. K. Lenee C. H. Hobson Henry Connaroe Thos. Gibson T. J. K. Lenee C. H. Hobson Henry Connaroe Thos. Gibson T. J. K. Lenee C. H. Hobson Henry Connaroe Thos. Gibson T. J. R. Roeries D. P. McCallum et al D. R. Morris D. P. McCallum et al D. R. Mo	Nature of payment.	Tota
1899.			
Tay 31	Henry C. Bate et al	Salaries	\$437 155 155 127 531
	Everett C. Hobbs et al	do	155
	E. W. McGann et al	do	152
	L. M. Tarr et al	do	127
	Wm. T. Blythe et al	do	531
	Log I Crow et al	00	551 660 285 207 309 127 238 208
	Jas. J. Widmover et al	do	207
	Lucius A Welsh et al	do	200
	Julius G. Linslev et al	do	127
	B. H. Bronson et al	do	238
	Saml. L. Blandford et al	do	207
	David Cuthbertson et al	do	433
	Patrick H. Smyth et al	do	431 22 22
	L. N. Jesunofsky et al	do	22
	Chas. Davis et al.	do	135 218 207
	Welten C Belmon et el	00	218
	Tog Kongoly et al	00 do	20
	Edwd A Roole at al	do	79
	S. S. Bassler et al	do	787 424 174 196 509
	A. E. Hackett et al	do	17
	Julius M. Sherier et al	do	19
	F. H. Brandenburg et al	do	50
	Geo. M. Chappel et al.	do	42
	N. B. Conger et al	do	42
	E. H. Bowie et al	do	12 23
	H. W. Richardson et al	do	23
	E. H. Nimino et al	00	19
	Albort Ashonhargar et al	00 do	12
	I W Smith at al	do	19 12 12 12 64
	J. Warren Smith et al	do	46
me 1	J. B. Marbury et al	do	46 43 1
	Danl. McCallum	Services	1
	Balfe D. Johnson	do	2
	E. J. Davenport	do	2
3	M. J. Lynch	do	9
	Albert W. Reese	do	2 2 9 2
7	Edwd. Didlake	do	10
	Wm. E. Smith	00	7
16	Harry R Nichole	do	1
10	Edmund Didlake	do	
	J. P. Slaughter	do	10
	Frank Wilkins	do	16
	Geo. W. Scott	do	100 100 100 50 80
17 30	E. A. Sandusky	do	5
30	Jno. J. O'Donnell	do	8:
	Albert Brand	do	9
	W. C. McGuiness	do	88 2 90
	Benj. M. Jacobs	00	o o
	F R Reahan	do	Q
	C. P. Cronk	do	10° 2. 90
	Geo. L. Lovett	do	2
	Jno. W. Byram	do	9
	Geo. Reeder	do	. 98
	Wm. L. Le Roy	do	4.
	Geo. T. Todd	do	. 98
	J. P. Fallihee	do	59 90 90
	Aaron H. Bell	do	98
	Wayland Bailey	do	90
	Jos. P. Bolton		98
	T. I. Kellihar	do	98 98 88
	Ino J McLean	do	98
	E. R. Demain	do	10
	Chas. W. Ling	do	107
	Eliz. L. Renoe	do	2
	C. H. Hobson	do	18
	Henry Connaroe	do	18
	Thos. Gibson	do	18 18 98
	E. J. Davenport	do	2
	Geo. J. Harkness	do	88 123
	D. P. McCallum et al	Salaries	123
	D. F. McCalling et al. D. R. Morris F. Z. Gosewisch L. A. Schultz	do	123
	D. K. Morris	Services	10 98 88
		UO .	98

ate.	Name.	Nature of payment.	Tota
1899.	J. J. Dosher Geo. W. Scott J. W. Cronk M. E. Conway J. C. Piercy Marsden Wright Chas. Adie J. P. Slaughter Thos. Crawford Jas. A. Barwick Jno. R. Williams Chas. Stewart Robt. S. Smith Fitzhugh Newman F. L. Johnson Ella W. Daniels J. C. Hayden Allen Buell J. R. Overholzer Balfe D. Johnson F. D. Emery Danl. C. Murphy N. D. Lane R. L. Anderson A. W. Kennie H. W. Grasse W. A. Shaw Maurice Connell Gideon S. Jones M. B. De Vane J. B. Marbury et al David Fisher et al F. J. Walz et al M. B. Van Vradenburg et al S. M. Blandford et al J. W. Smith et al David Et al L. M. Jesunofsky et al Chas. Davise et al L. A. Beals et al E. A. Beals et al S. S. Bassler et al E. A. Beals et al E. A. Beals et al Geo. M. Chappel et al E. H. H. Brandenburg et al E. A. Beals et al H. W. Spalmer et al E. A. Beals et al E. A. Beals et al H. W. Smith et al J. W. Spalmer et al E. A. Beals et al E. A. Beals et al E. A. Beals et al H. H. Brandenburg et al E. M. Bhorier et al E. H. Hawher et al H. H. Brandenburg et al Geo. M. Chappel et al Edw. H. Bowie et al H. W. Richardson et al H. R. G. Allen et al H. R. Patrick et al H. R. L. R.		
ne 30	J.J. Dosher	Services	\$50 90 80 60 90
	Geo. W. Scott	do	98
	J. W. Cronk	do	8
	J C Piercy	do	9
	Marsden Wright	do	8: 8: 9:
	Chas. Adie	do	8
	J. P. Slaughter	do	9.
	Thos. Crawtord	do	9.
	Jno. R. Williams	do	9.
	Chas. Stewart	do	10
	Robt. S. Smith	do	5
	F. L. Johnson	do	9:
	Ella W. Daniels	do	2
	J. C. Hayden	do	2 8 9
	Allen Buell	do	9.
	J. R. Overholzer	do	6 2
	F. D. Emery	do	4
	Danl. C. Murphy	do	9
,	N.D. Lane	do	9
	K. L. Anderson	on	8:
	H. W. Grasse	do	6
	W. A. Shaw	do	6 8: 9:
	Maurice Connell	do	9
	Gideon S. Jones	do	8
	I R Marbury et al	Salarios	25
	David Fisher et al.	do	85 235 111
	F.J. Walz et al	do	70
	M. B. Van Vradenburg et al	do	70 19 20
	S. M. Blandford et al	do	20.
	David Cuthbertson et al	do	58 41 21
	Patrick H. Smyth et al	do	21
	L. N. Jesunofsky et al.	do	21
	Chas. Davis et al	do	12
	W. S. Palmer et al	do	12 21 20
	E. A. Beals et al	do	83
	S. S. Bassler et al	do	83 41 21:
	A. E. Hackett et al.	do	13
	J. W. Smith et al	do	45
	J. M. Sherier et al	do	45 18
	F. H. Brandenburg et al	do	49
	Geo. M. Chappel et al	do	40 12 23
	H. W. Richardson et al	do	23
	N. B. Conger et al	do	41
	Thos. J. Considine et al.	do	410 170 123
	E H Nimmo et al	do	123
	E. M. Ravenscroft et al	do	19 12
	I. M. Cline et al	do	12 43 12 21:
	G.W. Felger et al	do	12
	S. W. Glenn et al	do	21:
	R. G. Allen et al	do	43 21
	A.J. Mitchel et al	do	28
	Patrick Connor et al	do	28
	W. U. Simons et al.	do	28 17 13
	M.I. Wright in et al	do	123
	Chas. F. Schneider et al	do	14
	Danl. J. Herndon et al.	do	14 12
	Geo. A. Loveland et al.	do	36
	Geo E Franklin et al	do	39
	Geo. N. Wilson et al	do	12
	T. S. Collins et al	do	128
	H. R. Patrick et al	do	10
	Sami. C. Emery et al	do	366 399 21; 12; 10; 300
	J. G. Linsley et al	do	123
			123 52

Date.	, Name.	Nature of payment.	Tota
1899.			
ine 30	Thos. S. Outram et al	Salaries	\$412 560 311 276 425
	Luther M. Dey et al.	do	560
	Frank P. Chaffee et al.	do	311
	W. W. Nellert et al.	0D	210
	Edw W McGann et al	do	148
	L. M. Tarretal	do	148 128 468
	Wm. J. Blythe et al.	do	468
	E. H. Emery et al	do	456
	Jas. J. Gray et al	do	273 201 300
	Jas. J. Widmeyer et al	_ do	201
	L. A. Welsh et al.	- do	300
	Frank Ridgway et al	do	338
	W. O. Vorm	Commission	233 100
	C M Coliabumy et al	Services	100
	Tag H Smith	Sanvicas	427 98 367 390
	A R Wollaher et al	Salarios	365
	C F von Herrmann et al	do	390
	Orin Parker et al	do	176
	Robt. J. Hyatt et al.	do	534
	Patrick F. Lyons et al	do	280
	H. H. Curley et al	dodo	196
	Ford. A. Carpenter et al	do	118
	E. C. Thompson et al	do	118 128 646
	Geo. H. Willson et al.	do	646
	Robt. M. Hardinge et al	do	176
	Alex. G. Barnes et al	do	201
	Harry B. Boyer et al	do	231 132
	Jno. Craig et al		107
	Ino Chayon et al	do	102 112 113 118 200 193 200 432
	Ino H Hagan at al	do	116
	Wm S Currier et al	do	206
	Harvay R Dick at al	do	19
	W H Fallon et al	do	200
	Jas. Kenealy et al	do	439
	A. Ashenberger et al	dodo	128
	Saml. L. Dosher et al	do	133
	Elvin J. Glass et al	do	192
- 21	Wm. M. Dudley et al	do	131 192 168
	E. C. Hobbs et al.	do	150
	Wm. G. Burns et al	do	214 94 115
	O. C. Burrows et al		9:
	Thom P. Jonnings of al	00	146
	H C Wilkinson et al	do	360
	Athert I Davis et al	do	148 369 122
	Alfred F. Sims et al	do	200
	B. H. Bronson et al	do	23
	O.D. Stewart et al	do	200 235 128 442
	H. B. Hersey et al	do	445
	A. B. Crane et al	do	128
	Ed. A. Evans et al	do	125 300 275 125
	Lester H. Murdoch et al	do	275
	Ulysses G. Purssell et al	do	128
	Thos. S. Outram et al Luther M. Dey et al Frank P. Chaffee et al W. W. Neifert et al H. C. Bare et al Edw. W. McGann et al L. M. Tarr et al Edw. W. McGann et al L. M. Tarr et al Edw. W. McGann et al L. M. Tarr et al E. H. Emery et al Jas. J. Gray et al Jas. J. Gray et al Jas. J. Widmeyer et al L. A. Welsh et al Edw. P. Jones et al W. O. Kerr G. N. Salisbury et al Jas. H. Smith A. B. Wollaber et al C. F. von Herrmann et al Orin Parker et al Robt. J. Hyatt et al Patrick F. Lyons et al H. H. Curley et al E. C. Thompson et al Geo. H. Willson et al E. C. Thompson et al Geo. H. Willson et al Alex. G. Barnes et al Jno. Craig et al Jno. S. Hazen et al Jno. H. Hagen et al Jno. H. Hagen et al Mm. S. Currier et al Barny B. Dick et al Wm. S. Currier et al E. C. Hobbs et al L. Dosher et al Elvin J. Glass et al Mm. G. Burns et al H. Dosher et al Elvin J. Glass et al Wm. G. Burns et al Alex. G. Burns et al Alex. G. Burns et al H. Dosher et al Elvin J. Glass et al Mm. G. Burns et al A. A. Shenberger et al Saml. L. Dosher et al Elvin J. Glass et al Wm. G. Burns et al A. A. Burns et al A. A. Shenberger et al Saml. L. Dosher et al Elvin J. Glass et al M. H. Eronson et al A. A. C. Wilkinson et al A. A. Burns et al A. A. Burns et al B. H. Bronson et al A. A. B. Crane et al E. C. Thompson et al E. C. Thompson et al A. B. Crane et al E. C. Thompson et al E. C. H. Burns et al E.		98,319
	Supplemental.		
ly 7	Suppemental.  Suppemental.  Clson Truelson W. E. Felthouse L. Marston M. R. Gilbert U. G. Myers do E. A. Nickum Watter A. Scholl Jesse A. Brown Lewis T. Awtry W. E. Bowman Obie K. Johnson M. R. Gilbert W. C. Hartwig J. V. Manning E. D. Beattie Royston Jett R. T. Conover	Services	20
12	Olson Truelson	do	28
Tiv	W. E. Felthouse	do	26 20 25 15
	L. Marston	do	25
	M. R. Gilbert	do	15
	U.G. Myers	do	89 98 20
	do	do	98
14	E. A. Nickum	do	.20
	Walter A. Scholl	do	82
	Jesse A. Brown	do	24
22	Lewis T. Awtry	do	14
	W. E. Bowman	do	62 57
	Uble K. Johnson		57
	M. K. Gilbert		14
	W.U. Hartwig	do	28
05	J. V. Manning	do	120
25	E.D. Deathe	uo	120 4 15
31	Royston Jett		

#### WEATHER BUREAU-GENERAL EXPENSE-SALARIES-Continued.

Date.	Name.	Nature of payment.	Total.
1899. July 31 Aug. 1 17 31	Supplemental—Continued.  Obie K. Johnson E. A. Sandusky Wm. F. Davis Chas. B. Gannaway, M. D	do	\$24.73 4.35 8.06 4.00 778.63

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	95, 239. 05 96, 177. 17 98, 319. 48
Total	380, 950. 03

#### WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS.

Date.	Name.	Nature of payment.	Total.
1898. July 28	A. Zappone	Traveling expenses	\$26,60
	do	do	10.25
00	do	do	173.80
30	Geo. Kingsbury	Services	35.87
	Louis Dorman Patrick McDonough	do	52.17 52.17
	Jno. W. Towers		43, 48
	Jno. N. Ryker	do	39.13
	Wm. B. Stockman	do	86, 96
	F. G. Tingley	do	52.17
	Ernst T. Giers	do	52.17
	Thos. Crawford	do	52.17
	do		15.00
	F. J. Randolph		21.20
	P. McDonough		15.00
	Clyde Lemon		16.30
4 . 1	Chas. F. Talman		52.17
Aug. 1	Park Morrill	do	108.70
16	Julien P. Friez Royal Dutch West Indian Mail Service	Supplies, etc., for stations Passenger transportation	4, 597. 00
10	Trinidad Shipping and Trading Co., Lim-	do	75.00
	ited.		55.00
	New York and Cuba Mail Steamship Co	do	75.00
	Trinidad Shipping and Trading Co., Lim-	do	71.25
	ited.		11.20
	Royal Dutch and West Indian Mail Service.	do	50, 30
	A. E. Outerbridge & Co	dodo	46, 16
	New York and Cuba Mail Steamship Co	do	59.60
	A. E. Outerbridge & Co	. do	48.67
	Pim, Forwood & Kellock	do	160.82
	do	dodo	235.00
22	A. E. Outerbridge & Co	do	219.00
22	M. G. Copeland & Co Franklin & Co	Flags	542.01 17.00
31	Franklin & Co Franklin G. Tingley	Field glasses	101.10
91	Thos. Crawford	do	101.10
	Louis Dorman	do	101.10
	Ernst T. Giers	do	101.10
	Jno. N. Ryker	do	101.10
	Patrick McDonough	do	101.10
	Chas. F. Talman	do	101.10
	Geo. Kingsbury		101.10
	Wm. B. Stockman	do	168.50
	Jno. W. Towers	do	84.20
	Oris W. Roberts	do	84.78
	Clyde Lemon	do	84.20
Sept. 1	Park Morrill Austin Smith	Panon	47.55 7.20
Jept. 1	S. P. Johnson	Typograiton oto	184.50
	Jno. P. Nawrath		8.07
	C. S. Braisted	Supplies	1.75
	J. E. Turton	Special packing boyes	62.46
		Shooms Lacuted nover	04, 20

#### WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total
1898.			
ept. 1	Jno. C. Parker	Letter presses, etc	\$331
_	do	Baskets, rulers, etc	188
6	do United States Express Co	Transportation	353
	Rufus P. Clarke do do do do Royce & Marean Rudolph, West & Co The J. C. Ergood Co Fred A. Schmidt M. Du Perow Mackall Bros Easton & Rupp	Baskets, rulers, etc. Baskets, rulers, etc. Transportation Towels, etc Wadding Brushes and wire Screw-drivers	28
	D %- Manage	. Wadding	8 10 4 7
	Pudelph West & Co	Sarow drivers	10
	The J. C. Ergood Co.	Soan	7
	Fred A. Schmidt	Soap Supplies Soap	139
	M. Du Perow	do	426
	Mackail Bros	Soap	11
	Easton & Rupp E. Morrison Paper Co Chas. R. Edmonston	Supplies Rubber bands, etc Carbon paper Rain gauges Dusters Mats	94
	E. Morrison Paper Co	Rubber bands, etc	170
~	Chas. R. Edmonston	Carbon paper	170
7 13	Jno. Schultzbach	Ductors	61 10
19	Hall Handington & Co	Mate	20
	Chas. E. Johnson & Co	Mats Ink Wrapping paper Letter copying books Clock Liquid gum Barometers Bedplates Anemometer cups Wire Supplies Rockets Mirrors, etc	28 75
	Reading Paper Mills	Wrapping paper	18
	Chadwick Copying Book Co	Letter copying books	28
	Thompson C. Gill & Co	Clock	10
	Monarch Manufacturing Co	Liquid gum	4
	Henry J. Green	Barometers	400
	The Neostyle Co	Bedplates	135
	The Olterite Co. Limited	Wine	25 421
	I H Ruppell & Co	Supplies	4.71
	Pain's Fireworks Co	Rockets	150
	Schneider Bros	Mirrors, etc.	117
16	F.J. Randolph	Mirrors, etc	117 63
	Chas. F. Talman	Office expenses	23
	Benj. Harris	Drayage	10
	P. McDonough	Traveling expenses	16
	Chas. R. Edmonston Jno. Schultzbach W. B. Moses & Co Hall, Headington & Co Chas. E. Johnson & Co Reading Paper Mills Chadwick Copying Book Co Thompson C. Gill & Co Monarch Manufacturing Co Henry J. Green The Neostyle Co Schneider Bros. The Okonite Co., Limited J. H. Bunnell & Co Pain's Fireworks Co Schneider Bros F. J. Randolph Chas. F. Talman Benj, Harris P. McDonough Jno. W. Towers Franklin G. Tingley Wm. Ballantyne & Sons S. A. Potter Geo. F. Muth & Co.	Office expenses Drayage Traveling expenses do do	14
10	Franklin G. Tingley	D- also	14
17	S A Potton	Books	126
	Geo F Muth & Co	Lanterns	39
	Too D Tamakia	Pliers, scissors, etc	34
	Jas. 5. Lambie Louis Hartig Smith Premier Typewriter Co. J. R. Buckalew C. K. Judson E. M. Tilden	Tacks	1
	Smith Premier Typewriter Co	Typewriters	369 576
	J. R. Buckalew	do	576
***	C. K. Judson	Supplies	235
19	E. M. Tilden	Pad ink	235 2 40
20	Onnia W Bahanta	Supplies Lanterns Pliers, scissors, etc. Tacks Typewriters do Supplies Pad ink Office expenses. Traveling expenses Transportation do Passenger transportation Supplies	12.
23	Adame Express Co	Traveling expenses	36
40	A. E. Outerbridge & Co	do	36. 60.
	do	Passenger transportation	126.
	Julien P. Friez	Supplies	105
	Kunhardt & Co	Transportation	3.
24	Thomas Crawford	Traveling expenses	103 11 20
	Chas. F. Talman	do	20
	E. M. Tilden P. McDonough Orris W. Roberts Adams Express Co A. E. Outerbridge & Co do Julien P. Friez Kunhardt & Co Thomas Crawford Chas. F. Talman do	Transportation Supplies Transportation Traveling expenses do do Office expenses Services	9.
30	The Crawford	Sorvices	5 97
90	Orris W. Roberts	do	97
	Patrick McDonough	do	97
	Wm. B. Stockman	do	97. 163
	Chas. F. Talman	do	97.
	Franklin G. Tingley	do	97
	Jno. W. Towers	do	81 97
	Ernst T. Giers	do	97.
	Montr W. Horrington	do	81.
	Louis Dorman	do	61. 97
	Jno N. Ryker	do	97
	Geo. Kingsbury	do	97. 97. 97.
	do do Thos. Crawford Orris W. Roberts Patrick McDonough Wm. B. Stockman Chas. F. Talman Franklin G. Tingley Jno. W. Towers Ernst T. Giers Clyde Lemon Mark W. Harrington Louis Dorman Jno. N. Ryker Geo. Kingsbury Total first quarter		15, 136.
t. 1	W.C. Newton & Co F. P. May & Co United States Express Co Jno. C. Parker Adams Express Co The Friedenwald Co C. L. Haley Co Pim, Forwood & Kellock Ernst T. Giers		7.
	F. P. May & Co	Paper files	96.
	United States Express Co	Paper files	96.
	Jno. C. Parker	Envelopes	49.
,	Adams Express Co	Envelopes Transportation Paper	156. 8.
4	The Friedenwald Co	Paper	8. 60.
6	C. L. naley Co	Office reut Transportation Office expenses	1.

#### WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
ct. 6	Geo. Kingsbury. Pennsylvania R, R. Co. Baltimore and Ohio R. R. Co.	Office expenses Passenger transportationdo	\$15.
8	Pennsylvania R, R. Co	Passenger transportation	19.
	Baltimore and Ohio R. R. Co	do	33.
	Royal Mail Steam Packet Co	do	136
		Services and material	52. 136. 150.
17	P. Mais & Sant Trinidad Shipping and Trading Co., Lim-	Transportation	3.
	ited.	77	0.110
	W. B. Moses & Sons	Wine	2,148.
18	Pennsylvania R. R. Co	Passenger transportation	12. 12. 15.
18 19	Orris W. Roberts	Office expenses	1.
	Geo. Kingsbury	Traveling expenses	15.
	The Juraqua Iron Co, Limited.	Service and material	52. 79.
20	Clincket & Coates	Office rent	45.
	Pim, Forwood & Kellock	Passenger transportation	50.
	D. H. Rose	Mattress, pillow, etc	8.
21	J. G. Biddle	Nephoscopes	600. 10.
	E. Clare, civil engineer	Office rent	61
24	Wm. B. Stockman	Services	61. 101. 1.
	Geo. Kingsbury	do	1.
31	Trinidad Shipping and Trading Co., Limited.  W. B. Moses & Sons. Royce & Marean Pennsylvania R. R. Co Orris W. Roberts. Geo. Kingsbury. The Juraqua Iron Co., Limited. A. E. Outerbridge & Co. Clincket & Coates. Pim, Forwood & Kellock D. H. Rose. J. G. Biddle E. Clare, civil engineer Ernest Nuttall Wm. B. Stockman Geo. Kingsbury. Wm. B. Stockman Mark W. Harrington Patrick McDonough George Kingsbury Jno. N. Ryker Louis Dorman Thos. Crawford Ernst T. Giers Jno. W. Towers F. G. Tingley Orris W. Roberts Chas, F. Talman Clyde Lemon A. V. Randall Wm. B. Stockman A. V. Randall Wm. B. Stockman A. V. Randall Wm. B. Stockman Clyde Lemon A. V. Randall Wm. B. Stockman P. McDonough Ernst T. Giers J. McDonough Ernst T. Giers J. Randall Wm. B. Stockman P. McDonough Ernst T. Giers J. McDonough Ernst T. Giers J. McDonough	do	168
	Mark W. Harrington	do	126.
	George Kingsbury	do	126. 105. 101.
	Jno. N. Ryker	do	101. 101. 101.
	Louis Dorman	do	101.
	Thos. Crawford	do	101.
	Ino W Towers	do	101.
	F.G. Tinglev	do	101.
	Orris W. Roberts	do	101. 101. 101.
	Chas. F. Talman	do	101.
	A V Randall	do	84. 19.
ov. 2	Wm. B. Stockman	Traveling expenses	15.
	P. McDonough	Office expenses	6.
	Ernst T. Giers	Traveling expenses	18. 11.
3	The Jamaica Telephone Co	Office or penses	37.
4	D. Hope Rose	Office rent	31.
4	A. V. Randall	Traveling expenses	2ā.
8	Louis Dorman	do	5.
	Chas. F. Talman	Expenses	4. 12. 3.
	Ernst T. Giers	Expenses	12.
	C. L. Maxwell	Office rent	50.
9 15 17	Vincente Lopez	Services	9.
15	Geo. Kingsbury	The man autotion	48.
23	Panama R. R. Co	Services and material	3. 196.
23 30	F. J. Randolph	Traveling expenses	234.
	Clyde Lemon A. V. Randall Wm. B. Stockman P. McDonough Ernst T. Giers The Jamaica Telephone Co Thos. Crawford D. Hope Rose A. V. Randall Louis Dorman Chas. F. Talman W. Irving Shaw Ernst T. Giers C. L. Maxwell Vincente Lopez Geo. Kingsbury United States Express Co Panama R. R. Co F. J. Randolph Louis Dorman Jno. W. Towers Geo. Kingsbury Orris W. Roberts Patrick McDonough Chas. F. Talman Wm. B. Stockman F. G. Tingley Ernst T. Giers Thos. Crawford Mark W. Harrington Clyde Lemon Albert V. Randall Jno. N. Ryker Bulton Bliss & Dallett J. N. Ryker P. McDonough Mark W. Harrington Clyde Lemon Albert V. Randall Jno. N. Ryker P. McDonough Mark W. Harrington Thos. Crawford Mark W. Harrington Thos. Crawford Thos. Crawford Mark W. Harrington Thos. Crawford The Crawford	Services	234. 97. 97.
	Jno. W. Towers	do	97.
	Orris W. Roberts	00 do	48. 97.
	Patrick McDonough	do	106
	Chas. F. Talman	do	97. 163. 97.
	Wm. B. Stockman	do	163.
	F. G. Tingley	do	97.
	Thos Crawford	do	97.
	Mark W. Harrington	do	122.
	Clyde Lemon	do	97. 122. 81.
	Albert V. Randall	do	97.
	Boulton Bliss & Dallett	Passanger transportation	97. 97. 60.
ec. 3	J. N. Ryker	Traveling expenses	10.
	P. McDonough	Expenses	35. 17.
5	Mark W. Harrington	Traveling expenses	17.
	Wm Ballantyno & Sons	Campling	18.
	New York and Cuba Mail Steamship Co	Passenger transportation	49. 60.
6	Compagnie Générale Trans-atlantique	Transportation.	24.
	Boulton Bliss & Dallett J. N. Ryker P. McDonough Mark W. Harrington Thos. Crawford Wm. Ballantyne & Sons New York and Cuba Mail Steamship Co. Compagnie Générale Trans-atlantique do A. E. Outerbridge & Co Panama R. R. Co do		22.
7	A. E. Outerbridge & Co	Rent of office. Services and material.	63. 25. 34.

WEATHER BUREAU-M	ETEOROLOGICAL	OBSERVATION	STATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 7	J. H. Bunnell & Co	Supplies Shelters Transportation Supplies do do	\$40.20 510.00
16	J. E. Turton	Shelters	510.00
	Ino C Paykov	Transportation	16.95
	do	do do	22.50 26.65
	J. H. Bunnell & Co. J. E. Turton Adams Express Co. Jno. C. Parker do M. Du Perow	do	22.50 36.65 90.00
	Brentano's	do	1.00
	R. C. Ballantyne	do	94.31 19.20
	Logan, Swift & Brigham Envelope Co	do	19.20
	J N Rykar	Evnanças	25.53 28.23
	Brentano's R. C. Ballantyne Logan, Swift & Brigham Envelope Co Successors de Findlay Bros. J. N. Ryker Chas. F. Talman Mark W. Harrington Boulter, Bliss & Dallett. Geo. Kingsbury J. N. Ryker A. B. Smith	dododododo	4.26
	Mark W. Harrington	Passenger transportation	4. 26 27. 60
18	Boulter, Bliss & Dallett	Passenger transportation	50.00
17	I N Pulson	Expenses do Rent of office	4.05
	A. B. Smith	Rent of office	47 23
	Orris W. Roberts W. B. Stockman Seth Thomas Clock Co.	Expenses Office expenses Supplies	125.87 47.23 7.37
20 22	W.B. Stockman	Office expenses	69. 98 337. 00 19. 50 9. 70 3. 96 138. 00
22	Seth Thomas Clock Co.	Supplies	337.00
	J. R. Scotland	Services Expenses	19.50
	Willard Manufacturing Co	Supplies	3.70
	Thos. Crawford. Willard Manufacturing Co. International Ocean Telegraph Co.	Supplies Telegraphing	138, 00
	Easton & Rupp	Supplies	54.00
23	Easton & Rupp The French Telegraph Cables Co W. B. Stockman	Telegraph services	1, 124. 78
31	W. B. Stockman Edurado Sanches Jno. W. Towers Geo. Kingsbury Orris W. Roberts Patrick McDonough Chas F. Talman W. B. Stockman Frank G. Tingley Ernest T. Giers Thos. Crawford Mark W. Harrington Clyde Lemon Albert V. Randall Louis Dorman Jno. N. Ryker	Supplies Telegraph services Expenses Services	54.00 1,124.78 4.08 9.09
ər	Ino W Towars	do services	101.10
	Geo. Kingsbury	do	101.10
	Orris W. Roberts	do	101. 10 101. 10
	Patrick McDonough	do	109.50
	Chas. F. Talman	do	101.10 168.50
	Frank G Tingley	do	101.10
	Ernest T. Giers	do	101.10
	Thos. Crawford	do	101.10
	Mark W. Harrington	do	126.40
	Clyde Lemon	do	84.20
	Louis Dorman	do	101.10
	Jno. N. Ryker	do	101.10 101.10
	Total second quarter		12,368.07
	200000000000000000000000000000000000000		
1899.	TT '4 104 4 Ft 0	m	<b>70.00</b>
Jan. 3	W. C. Nowton & Co.	Transportation	72.00 50.00
4	United States Express Co. W. C. Newton & Co. J. H. Thiemeyer	Packing boxes	72.00 50.00 29.50
•		Supplies	393, 00
	A. Testart	Services	70 CT
5	A B Smith		70.07
	CI-3 - T	Office rent	70.67 85.35
77	Clyde Lemon	Office rent Traveling expenses	17 45
7	A. Testart. A. B. Smith Clyde Lemon Luis Ga y Carbonell.		17 45
7	Clyde Lemon Luis Ga y Carbonell do C. L. Haley & Co	do	17.45 85.25 82.50 90.00
	C. L. Haley & Co	do	17.45 85.25 82.50 90.00 116.87
	C. L. Haley & Co	do	17.45 85.25 82.50 90.00 116.87 19.75
7 10 12	C. L. Haley & Co	Office rent Traveling expenses Services do Office rent Transportation Traveling expenses Telegraph services	17.45 85.25 82.50 90.00 116.87
	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17.45 85.25 82.50 90.00 116.87 19.75 . 8.20
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17.45 85.25 82.50 90.00 116.87 19.75 . 8.20
	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17.45 85.25 82.50 90.00 116.87 19.75 8.20 360.00 17.00 759.00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17.45 85.25 82.50 90.00 116.87 19.75 8.20 360.00 17.00 759.00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 759. 00 21. 00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co.	do Office rent Transportation Traveling expenses Telegraph services	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 759. 00 21. 00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford	do Office rent Transportation Traveling expenses Telegraph services  Thermometers Passenger transportation Supplies for stations Repairs to clock Services Translating, etc Office expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 759. 00 4. 00 21. 00 8. 20 17. 91
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford	do Office rent Transportation Traveling expenses Telegraph services  Thermometers Passenger transportation Supplies for stations Repairs to clock Services Translating, etc Office expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 4. 00 21. 00 8. 20 17. 91 1. 00 7. 55
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford	do Office rent Transportation Traveling expenses Telegraph services  Thermometers Passenger transportation Supplies for stations Repairs to clock Services Translating, etc Office expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 21. 00 8. 20 17. 91 11. 00 7. 55 4. 67
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart Thos. Crawford J. A. Wilson. Orris W. Roberts Mark W. Harrington Chas. T. Talman	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations Repairs to clock Services Translating, etc Office expenses do do do	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 21. 00 21. 00 8. 20 17. 91 1. 00 7. 55 4. 67 5. 62
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations Repairs to clock Services Translating, etc Office expenses do do do	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 380. 00 17. 00 21. 00 21. 00 21. 00 7. 55 4. 67 5. 02 14. 91
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman A. V. Randall	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations. Repairs to clock Services Translating, etc Office expenses do do do do do do Traveling expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 21. 00 21. 00 21. 00 7. 55 4. 67 5. 02
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman A. V. Randall	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations. Repairs to clock Services Translating, etc Office expenses do do do do do do Traveling expenses	17.45 85.25 82.50 90.00 90.00 116.87 19.75 8.20 360.00 17.00 75.90 21.00 6.20 17.91 1.90 7.55 4.67 5.02 149.19 9.70 75.00 72.00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman A. V. Randall	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations. Repairs to clock Services Translating, etc Office expenses do do do do do do Traveling expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 4. 00 21. 00 8. 20 17. 91 1. 00 7. 55 4. 67 5. 02 149. 19 9. 70 75. 00 72. 00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman A. V. Randall	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations. Repairs to clock Services Translating, etc Office expenses do do do do do do Traveling expenses	17. 45 85. 25 82. 50 90. 00 116. 87 19. 75 8. 20 360. 00 17. 00 759. 00 4. 00 21. 00 8. 20 17. 91 1. 00 7. 55 4. 67 5. 02 149. 19 9. 70 75. 00 72. 00 75. 00 88. 00
10 12	C. L. Haley & Co. United States Express Co. Jas. H. Kimball United States and Haiti Telegraph and Cable Co. Schneider Brothers Pickford & Black Queen & Co. Henry Perrenoud Leon Sully A. Testart. Thos. Crawford J. A. Wilson Orris W. Roberts Mark W. Harrington Chas. T. Talman Louis Dorman	do Office rent Transportation Traveling expenses Telegraph services Thermometers Passenger transportation Supplies for stations. Repairs to clock Services Translating, etc Office expenses do do do do do do Traveling expenses	17.45 85.25 82.50 90.00 16.87 19.75 8.20 360.00 17.00 759.00 21.00 8.20 17.91 1.00 7.55 4.67 5.02 149.19 9.70 75.00 75.00

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total
1899.			
in. 20	M. W. Hayes Fred. A. Schmidt Wm. Ballantyne & Sons Postal Telegraph Cable Co A. Lisner Chas. B. Edmonston	Office expenses	\$1
	Fred. A. Schmidt	Milliographs	39
24	Wm. Ballantyne & Sons	Dictionary Telegraph service Wash basins	3
A4	Postal Telegraph-Cable Co A. Lisner Chas. R. Edmonston M. G. Copeland & Co The Smith Premier Typewriter Co A. Zappone Jos. Lopez Rafael Valiente Central R. R. Co. of New Jersey New York and Cuba Mail Steamship Co A. V. Randall Louis Dorman J. N. Ryker	Wash basins	26
	Chas. R. Edmonston	Filter	16
	M. G. Copeland & Co	Flags Typewriters Passport to West India Services do	267 180 1 5 75
	The Smith Premier Typewriter Co	Typewriters	180
30	A. Zappone	Passport to west india	1 5
30	Rafael Valiente	do	75
	Central R. R. Co. of New Jersey.	Passenger transportationdodo	6
	New York and Cuba Mail Steamship Co	do	40
	A. E. Outerbridge & Co	do	61
	A. V. Kandall	Office expenses	16 42
	J. N. Ryker	do	12
	A. V. Randall Louis Dorman J. N. Ryker A. V. Randall Wm. B. Stockman Successors de Finlay Bros	do	20
	Wm. B. Stockman	do	39
	Successors de Finlay Bros	Lumber	1
31	A Casar Cavain	Office rent	1 23 30
91	J.E Bartlett	Services	96
	J. N. Ryker A. V. Randall Wm. B. Stockman Successors de Finlay Bros. Jamaica Telephone Co., Limited A. Cæsar Cavain J. E. Bartlett. R. M. Geddings F. G. Tingley J. A. Wilson Ernst T. Giers Thos. Crawford Jas. H. Kimball M. W. Harrington Clyde Lemon A. V. Randall Louis Dorman J. N. Ryker J. W. Towers M. W. Hayes Wm. B. Stockman Chas. F. Talman Patrick McDonough O. W. Roberts Geo. Kingsbury Chas. F. Marvin R. M. Geddings Ernst T. Giers C. F. Talman Carlos Fox International Ocean Telegraph Co. The French Telegraphic Cables Co.	do	66
	F. G. Tingley	do	103
	J. A. Wilson	do	103
	The Crawford	do	103 103 69
	Jas. H. Kimball	do	69
1	M. W. Harrington	do	129
	Clyde Lemon	do	129 86 103
	A. V. Randall	do	103
	I N Ryker	do	103
	J. W. Towers	do	103 62
	M. W. Hayes	do	120 172 103 111
	Wm. B. Stockman	do	172
	Chas. F. Talman	do	103
	O W Roberts	do	103
	Geo. Kingsbury	do	103
	Chas. F. Marvin	do	258 1
b. 1	R. M. Geddings	Office expenses	1
	C F Tolmon	do	4 2 99
	Carlos Fox	Office rent	99
	International Ocean Telegraph Co	Telegraph services	115
	International Ocean Telegraph Co. The French Telegraphic Cables Co. Pim, Forward & Kellock Louis F, Greene	Office rent. Telegraph servicesdo	898 53
7	Pim, Forward & Kellock	Passenger transportation	53
	Louis F. Greene	Services Office expenses	- D
8	I. P. Roosa Baltimore and Ohio R. R Co	Passenger transportation	15 13
9	A. Testart	Passenger transportation Traveling expenses	5
	Geo. Kingsbury	do	6
18	Baltimore and Ohio R. R Co A. Testart. Geo. Kingsbury Postal Telegraph Cable Co Jno. C. Parker M. G. Copeland & Co J. R. Buckelew International Ocean Telegraph Co Enrique del Monte Carmelo Sevilla Pim, Forwood & Kellock do M. W. Harrington P. McDonough M. W. Hayes R. M. Geddings I. P. Roosa Luis Ga. y Carbonelle Jos. Lopez do J. Edward Turton	Telegraph services Letter press, etc	1,153
	M. G. Copeland & Co	Flags	60 156
	J. R. Buckelew	Flags Typewriters, etc Telegraph services Services do	189
20 21	International Ocean Telegraph Co	Telegraph services	61
21	Enrique del Monte	Services	60
	Pim Forwood & Kollask	Paggangan transportation	8 30
	do Renock	Passenger transportation	4
23	M. W. Harrington	Office expenses	3
	P. McDonough	Office expensesdo Traveling expenses	13
04	M. W. Hayes	Traveling expenses	11 5
24	I. P. Roose	do	5
	Luis Ga. v Carbonelle	Services	100
	Jos. Lopez	Servicesdo	109 71
	do	do	3
25	J. Edward Turton	Instrument shelters	58 136
	W. B. Moses & Sons	Desks, etc.	136
	J. Edward Turton W. B. Moses & Sons W. C. Newton & Co Rudolph, West & Co	Rollers	6
	do	Oil cans	6
		Monkey wrenches.	4
	do M. Du Perow Chas. R. Edmonston	Cuspidors Oil cans Monkey wrenches Pitchers Supplies Filter	7
	W DI Perow	Sunnline	54

#### WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1899.	United States Express Co Postal Telegraph Cable Co do Geo. Kingsbury O. W. Roberts. Patrick McDonough Chas. F. Talman Wm. B. Stockman M. W. Hayes Jas. L. Bartlett L. F. Green Enrique del Monte Luis Ga. y Carbonnell Carmelo Sevilla R. M. Geddings Jasper A. Wilson F. G. Tingley Ernst T Giers J. H. Kinsball Thos. Crawford M. W. Harrington Clyde Lemon Jas. Lopez A. V. Randall Louis Dorman Jno. W. Ryker Chas. F. Marvin Jno. W. Towers The West India and Panama Telegraph Co- do do do		
Feb. 25	United States Express Co	Transportation	\$29. 2 711. 5 949. 2 93. 4
	Postal Telegraph Cable Co	Telegraph service	711.5
	do	do	949.2
28	Geo. Kingsbury	Services	93.4
	O. W. Roberts	do	63.3
	Chas F Talman	do	63.3 101.2 93.4
	Wm R Stockman	do	155.6
	M. W. Haves	do	116.6
	Jas. L. Bartlett	do	116. 6 93. 4 77. 8
	L.F. Green	do	77.8
	Enrique del Monte	do	93.4
	Luis Ga. y Carbonnell	do	86.6
	Carmelo Sevilla	do	25.0
	K. M. Geddings	do	93.4
	F G Tingley	do	93.4
	Ernst T Giers	do	93. 4 93. 4
	J. H. Kimball	do	77.8
	Thos. Crawford	do	93.4
	M. W. Harrington	do ,	116.6 77.8
	Clyde Lemon	do	77.8
	Jas. Lopez	do	25.0
	A. v. Kandall	do	93. 4 93. 4
	Jno W Ryker	do	93.4
	Chas F Warvin	do	93.4 233.4 56.0 1,086.3
	Jno. W. Towers	do	56.0
Iar. 1	The West India and Panama Telegraph Co.	Telegraph service.	1,086.3
	do	do	1, 254. 7
	do	do	1,221.1
	do	Office rent Passenger transportation	653.1
2	D. O. Riviere	Office rent	47.7
	do do do O. Riviere A. E. Outerbridge & Co Chas. F. Talman Chas. R. Edmonston United States Express Co M. G. Copeland & Co Jasper A. Wilson Thos. Crawford F. J. Marxnach do J. N. Ryker	Passenger transportation	1, 254. 7 1, 221. 1 653. 1 47. 7 60. 0
9	Chas P Edmanaton	Office expenses	$\begin{array}{c} 2.6 \\ 32.0 \end{array}$
3	United States Express Co	Preperortation	152.1
	M. G. Coneland & Co.	Office expenses Tube filters Transportation Signal flags Traveling expenses	152. 1 156. 0 6. 2 20. 7
8	Jasner A Wilson	Traveling expenses	6. 2
O	Thos. Crawford	. do	20.7
9	F. J. Marxnach	Services, etc	15.3
	do	do	5.0
	J. N. Ryker	Office expenses	1.2
	Pennsylvania R. R. Co	Passenger transportation	6.5
16	do J. N. Ryker Pennsylvania R. R. Co Hall, Headington & Co Seth Thomas Clock Co J. P. Nawrath Peter Gray	Mats Clocks Twine Lanterns	16.0 41.2
10	J P Nawrath	Twine	18.0
	Peter Gray	Lanterns	18. 0 80. 0
	Chadwick Copying Book Co	Letter copy books	52, 50
	Julien P. Friez	Supplies	562.6
	The J. C. Ergood Co	Latter copy books Supplies Soap Towels Stamps	11. 2
	R. P. Clarke	Towels	50.00 7.50
	J. P. Nawrath Peter Gray Chadwick Copying Book Co Julien P. Friez The J. C. Ergood Co R. P. Clarke Herman Baumgarten The Okonite Co., Limited Holyoke Envelope Co. Mark W. Harrington do do	Stamps	7.50
	The Okonite Co., Limited	Wire	87.5
	Mark W Harrington	Traveling evnenge	39.7
	do	Traveling expenses	1.1
	do	do	21. 3 39. 7 1. 1 11. 2
	do	do	8.2
	do Louis Dorman	do	8.2 15.0
	A. V. Randall	do	4.6
	Thos. Crawford	do	18. 4 24. 2
	F. G. Tingley	do	24.2
	A. V. Randall Thos. Crawford F. G. Tingley Wm. J. Reed	do	6.6
	E. J. Glass	December to the second state of	2. 0 16. 0 31. 8
	Carennah Florida and Western Pro- Ca	rassenger transportation	31.8
	Western Union Telegraph Co.	Telegraph service	1 094.0
17	E. J. Glass Chesapeake and Ohio Rwy. Co Savannah, Florida and Western Rwy. Co Western Union Telegraph Co J. H. Thiemeyer Wm. B. Stockman	do Passenger transportation do Telegraph service Packing boxes Office expenses Traveling expenses India linen	116.0
18	Wm. B. Stockman	Office expenses	116. 0 56. 1
10	do	Traveling expenses	16 13
	Rufus P. Clarke	India linen Dictionaries Lamps	24.00 43.00 16.00
	Jno. C. Parker	Dictionaries	43.0
	Geo. F. Muth & Co	Lamps	16.0
	Rudolph, West & Co	Tin cups	32.8
	Rufus P. Clarke Jno. C. Parker Geo. F. Muth & Co Rudolph, West & Co Jas. B. Lambie	Tin cups Nail pullers, etc Shears	30.5
	do. W. B. Moses & Sons Mark W. Harrington R. M. Geddings	Shears	28.8
20	W.B. Moses & Sons	Office expenses	50.00 32.3
		VIIICE EX DEUSES	00.0

#### WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total
1899.			
Iar. 20	Schneider Bros C. E. Johnson & Co Choctaw, Oklahoma and Gulf R. R. Co.	Thermometers	\$485. 510.
	C. E. Johnson & Co	Ink	510.
			9.
21	Choctaw and Memphis R. R. Co Jas. L. Bartlett Postal Telegraph Cable Co Louis F. Greene (Geo. Kingsburydo E. Morrison Paper Co Estate of Jno. Schultzbach Julien P. Friez Peter Gray	do Traveling expenses Telegraph service Traveling expenses Office expenses	5. 3. 7.
21 23	Postal Telegraph Cable Co	Telegraph service	143.
	Louis F. Greene	Traveling expenses	17.
	Geo. Kingsbury	Office expenses	2. 2. 517.
	E Morrison Paper Co	Rubber bands Rain gauges Supplies	517
	Estate of Jno. Schultzbach	Rain gauges	278
	Julien P. Friez	Supplies	278 17
29	Peter Gray	Lanterns	112
31	Chas. F. Marvin	Services	258 103
	Chas F Talmon	do	103.
	Patrick McDonough	do	111
	Wm. B. Stockman	do	172 129
	Montrose W. Hayes	do	129
	frig Co. v Coulonell	do	103. 103.
	Carmelo Sevilla	do	25
	R. M. Geddings	do	103
	Jasper A. Wilson	do	103
	Ernst T. Giers	do	103 86
	Mark W Harrington	do	129
	Jos. Lopez	do	25
	A. V. Randall	do	25 103
	Louis Dorman	do	103
	Jno. N. Ryker	do	103 62
	Jno. W. Towers	do	62 86
	Jas L. Bartlett	do	103
	Estate of Jno. Schultzbach Julien P. Friez. Peter Gray Chas F. Marvin Geo. Kingsbury Chas F. Talmon Patrick McDonough Wm. B. Stockman Montrose W. Hayes F. G. Tingley Luis Ga. y. Carbonell Carmelo Sevilla R. M. Geddings Jasper A. Wilson Ernst T. Giers Jas. H. Kimball Mark W. Harrington Jos. Lopez A. V. Randall Louis Dorman Jno. N. Ryker Jno. W. Towers Louis F. Greene Jas L. Bartlett Total third quarter		25,442
pr. 1	Postal Telegraph Cable Co.	Telegraph service	17.
p1. 1	W. C. Newton & Co.	Staples, etc. Office rent Passenger transportation. do Office expenses.	20.
	W. C. Newton & Co A. Cesar Covani	Office rent	84.
	Louisville and Nashville R. R. Co. New York and Cuba Mail Steamship Co. Jas. L. Bartlett	Passenger transportation	11.
6	New York and Cuba Man Steamship Co	Office avnerses	45. 35.
U	Louis F. Greene	do	86
	Geo. Kingsbury	dodododo	2 4 78
	Chas. F. Talman	do	4
	W. B. Stockman	do	78
	A V Randall	dodo	71
	Clyde Lemon	Services	92 92
	Nicholas Rodriques	Chairs	93
	Louis F. Greene Geo. Kingsbury Chas. F. Talman W. B. Stockman M. W. Hayes A. V. Randall Clyde Lemon Nicholas Rodriques A. B. Smith D. Hope Ross C. L. Haley & Co West India and Panama Telegraph Co Panama R. R. Co Ernst T. Giers Geo. Kingsbury	Chairs Office rent	85 72
	D. Hope Koss	dodododo	72
11	West India and Panama Telegraph Co	Telegraph service	90.
11 15	Panama R. R. Co	Telegraph service Office rent Office expenses	75
	Ernst T. Giers	Office expenses	1
17	Geo. Kingsbury G. Herold Noyes Leon J. Guthrie	do	2.7
	Leon J Guthrie	Traveling expenses Office expenses Traveling expenses	7.
	00	Traveling expenses	11.
	Wm H Alexander		11
	do	Office expenses	1.
19 20	Jamaica Telephone Co., Limited	Telephone service	23. 1.
20	Geo. Kingsbury West India and Panama Telegraph Co International Ocean Telegraph Co	Telegraph sarvice	150
	International Ocean Telegraph Co	do	158.
	C. L. Maxwell	Office rent	9. 75.
01	Baltimore & Ohio R. R. Co	Passenger transportation	21.
21	Postal Telegraph Cable Co	Telegraph service	21. 22. 24.
	International Ocean Telegraph Co. C. L. Maxwell Baltimore & Ohio R. R. Co. Postal Telegraph Cable Co United States Express Co M. G. Copeland J. E. Turton Jno. C. Parker Jas. H. Pitt E. Nuttall Mackall Bros	Telephone service Office expenses Telegraph service do Office rent Passenger transportation Telegraph service Transportation Flags File case	24.
	J. E. Turton	File case	592. 14. 633.
	Jno. C. Parker	Paper	633
	Jas. H. Pitt	Services Office rent	2. 109.
	E. Nuttall	Office rent	109.
		Soan	10.
26	Central R. R. Co of New Javeny	Passanger transportation	P
26	Central R. R. Co. of New Jersey	Soap Passenger transportation  do Dictionary	6. 50.

## WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1899.	Montrose W. Hayes F. G. Tingley Ernst T. Giers Jas. H. Kimball R. M. Giddings Mark W. Harrington A. V. Randall Louis Dorman Jno. N. Ryker Leon J. Guthrie Geo. Kingsbury W. H. Alexander Patrick McDonough C. F. Talman Wm. B. Stockman Jas. L. Bartlett Louis F. Greene Luis Ga, y Carbonell Carmelo Sevilla Clyde Lemon Jasper A. Wilson G. H. Noyes Jos. Lopez C. F. Marvin Jno. W. Towers J. H. Kimball Clinchette & Coates Louis Dorman Chas. F. Talman J. N. Ryker P. McDonough R. M. Giddings M. W. Hayes Boulton, Bliss & Dallett Western Union Telegraph Co Illinois Central R. R. Co Geo. Kingsbury do Luis Ga. y Carbonell —do —do —Usis Ga. y Carbonell —do —J. A. Wilson —Sociedad Anomina Luz Electrica —do —do —do —do —J. A. Wilson —Sociedad Anomina Luz Electrica —do —do —do		
Apr. 29	Montrose W. Hayes	Services	\$123. 98. 98. 82. 120. 123. 98.
	F. G. Tingley	do	98.
	Les H Vimbell	do	98.
	P. M. Giddings	do	82.
	Mark W Harrington	do	120.
	A. V. Randall	do	98
	Louis Dorman	do	98. 98. 54. 98.
	Jno. N. Ryker	do	98.
	Leon J. Guthrie	do	54.
	Geo. Kingsbury	do	98.
	W. H. Alexander	do	54.
	C F Tolmon	00	107.
	Wm R Stockmen	do	164
	Jac I. Rartlott	do	08
	Louis F. Greene	do	82
	Luis Ga. v Carbonell	do	54. 107. 98. 164. 98. 82. 98.
	Carmelo Sevilla	do	25. 98. 98.
	Clyde Lemon	do	98.
	Jasper A. Wilson	do	98.
	G. H. Noyes	do	52.
	Jos. Lopez	do	52. 25. 247. 59.
	U. F. Marvin	do	247.
ay 1	JHO. W. TOWERS	Thorseling owners	59.
ay 1	Clinchetta & Castos	Office nont	11. 88. 37.
3	Louis Dormon	Office rent	27
9	Chas F Talman	do	2
	J N Ryker	do	2. 5.
	P. McDonough	do	5
	R. M. Giddings	Office expenses	24.
	M. W. Haves	do	25.
4	Boulton, Bliss & Dallett	Passenger transportation	70.
	Western Union Telegraph Co	Telegraph service	24. 25. 70. 11. 18.
	Illinois Central R. R. Co	Passenger transportation	18.
15	Geo. Kingsbury	Office expenses	2.
	do	do	1.
	Luis Ga. y Carbonell	do	20.
16	Wm P Cto olyman	00 do	20.
10	W III. B. Stockman	Trovoling ornores	126 60
	J A Wilson	do do	6
17	Sociedad Anomina Luz Electrica	Installation and rent of electric	6. 22.
		lights.	
	do	lights. Electric lights.	12
	do	:do	12. 18. 53. 100.
	Geo. W. Knox Express Co	Transportation	18.
18	A. E. Outerbridge & Co.	Passenger transportation	53.
	Pim, Forwood & Kellock	do	100
	Baitimore and Onio R. R. Co		19
	Jac R Lambio	Waste cotton etc	190 19 567 45 16 92 460
	Easton & Rupp	Books and blotters	16
	Smith Premier Typewriter Co.	Typewriter	92
	Schneider Bros	Thermometers	460
	do	Passenger transportation	24 100 20
19	Teresa M. Vda de Rivas	Office rent	100
	do	do	· 20
	D. C. Reviere	do	60
00	J. H. Thiemeyer	Packing boxes	59.
20 22 23	M. G. Conoland & Co	Flore	59. 17. 90
22	Reltimore and Ohio Southwestown P. P. Co.	Passanger transportation	90
45	Chae F Talman	Office expenses	20. 2. 11.
	Wm. H. Alexander	Traveling expenses	11
	Leon J. Guthrie	do	11.
	R. M. Giddings	do	11. 13. 10.
	M. G. Roves	Office expenses	10.
31	W. H. Alexander	Services	85.
	Geo. Kingsbury	do	102.
	Patrick McDonough	do	110.
	Jas. L. Bartlett	do	85.
	W.B. Stockman	do	85. 102. 110. 85. 170. 127. 85. 102. 102. 85.
	M. W. Hayes	do	127
	Paul DeGraw	do	85.
	Luis Ga. y Carbonell	00	102
	U. F. Talman	00	102.
	Conmole Corille	do	12
	Carmero Sevilla	UU	TO

#### WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS-Continued.

ite.	Name.	Nature of payment.
99.		
y 31	Carmelo Sevillo	Services
	F.G. Tingley	do
	Jas. H. Kimball	do
	Ernst T. Giers	00 
	Jog Coper	do
	R M Giddings	do
	Clyde Lemon	do
	Mark W. Harrington	do
	A. V. Randall	do
	Louis Dorman	do
	C. F. Marvin	do
	Jno. W. Towers	do
	J. A. Wilson	0D
	Ino N Rykon	do
2	H. C. Miller	do
2	R. M. Giddings	Office expenses
	New York and Cuba Mail Steamship Co	Passenger transportation
	Sociedad Anomina Luz Electrica	Electric lights
3	Jos. A. Bartlett	Traveling expenses
	Geo. Kingsbury	do
	Pennsylvania R. R. Co	Passenger transportation
;	Roulton Blice & Dollatt	Passangar transportation
,	Carmelo Sevillo F. G. Tingley Jas. H. Kimball Ernst T. Giers G. H. Noyes Jos. Lopez R. M. Giddings Clyde Lemon Mark W. HarrIngton A. V. Randall Louis Doorman C. F. Marvin Jon. W. Towers J. A. Wilson Leon J. Guthrie Jno. N. Ryker H. C. Miller R. M. Giddings New York and Cuba Mail Steamship Co. Sociedad Anomina Luz Electrica Jos. A. Bartlett Geo. Kingsbury Pennsylvania R. R. Co Jas. E. Ward & Co. Boulton, Bliss & Dallett M. Soler Luis Ga. y Carbonell	Talanhana sarvicas
	Luis Ga v Carbonell	Office expenses
	Jas. E. Ward & Co. Boulton, Bliss & Dallett M. Soler Luis Ga. y Carbonell Teresa M. Vda de Rivas J. R. Buckelew W. B. Moses & Sons R. Carter Ballantyne Budolph, West & Co. John C. Parker Easton & Rupp W. H. Alexander Manuel J. Roves Manhattan Contracting Co. do Mark W. Harrington Serafin Cruze Chas. E. Johnson & Co J. P. Nawyath Gulf, Colorado and Santa Fé Rwy. Co. Pim, Forwood & Kellock Louisville and Nashville R. R. Co A. E. Outerbridge & Co Clyde Lemon. do Seth Thomas Clock Co.	Traveling expenses do Ossenger transportation Transportation Passenger transportation Telephone services Office expenses Office rent Typewriters Feather dusters Fasteners Halvards
3	J. R. Buckelew	Typewriters
	W. B. Moses & Sons	Feather dusters
	R. Carter Ballantyne	Fasteners
	Rudolph, West & Co	Halyards Paper erasers, etc Carbon paper Office expenses
	John C. Parker	Paper. erasers, etc
	Easton & Kupp	Carbon paper
•	Manual I Paras	Office expenses
	Manhattan Contracting Co	Office rent. Repairs to office. Services and material.
	do	Services and material
	Mark W. Harrington	Painting instrument shelters Ink.
	Serafin Cruze	Painting instrument shelters
	Chas. E. Johnson & Co	Jnk
	J. P. Nawrath	Twine
	Gulf, Colorado and Santa Fe Rwy. Co	Passenger transportationdodo
	Towigwills and Nachmills B. B. C.	do
	A F Outerbridge & Co	do
	Clyde Lemon	Office aynenses
	Seth Thomas Clock Co- Rudolph, West & Co	do d
	Seth Thomas Clock Co	Clocks
9	Rudolph West & Co	Halvarde
	Jas. B. Lambie Wm. Ballantyne & Sons The White Corbin Co Panama R. R. Co	Halyards, etc
	Wm. Ballantyne & Sons	Spanish grammar
	The White Corbin Co	Envelopes
	ranama K. K. Co	Services Rent of office Traveling expenses
	Chas F Talman	Traveling expenses
	The White Corbin Co Panama R. R. Codo .	Office expenses
	J. N. Ryker	Traveling expenses
	Royal Mail Steam Packet Co	Transportation
	do	Passenger transportation
6	Jno. C. Parker	Stationery
	E. M. Tilden	Type
)	Wm. H. Alexander	Services
	Patrick McDonough	do
	J.L. Bartlett	do
	F G Tingley	do
	Paul DeGraw	do
	L. F. Greene	do
	Luis Ga. v Carbonell	do
	Carmelo Sevilla	do
	Chas. F. Talman	do
	H. C. Miller	do
	Ernst. T. Giers	do
	Jas. H. Kimball	do
	R. M. Geddings	do
	Clyde Lemon	do
	G.H. Noyes	do

#### WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			***
June 30	Jno. N. Ryker	Services	\$98.
	Wm. B. Stockman	do	82. 164.
	C. F. Marvin	do	247.
	Jno. N. Ryker Leon J. Guthrie Wm. B. Stockman C. F. Marvin C. F. Talman Jno. W. Towers.	do	8. <b>5</b> 9.
1			
	Total fourth quarter		14,859.
	Supplemental.	~ .	W/O
July 3	Manhattan Contracting Codo	Servicesdo	73. 15.
	The News Publishing Co	Printing	13. 12.
	Sociedad Anomina Luz Electrica	Electric light	12.
1	A. Cesar Covani	Office rent	84.
	C. I. Helov & Co.	Office expenses	11.
6	Logan Swift & Brigham Envelope Co	Envelopes	5.
7	A. V. Randall	Printing Electric light Office rent Office expenses Office rent Envelopes Office expenses Lanterns	90. 5. 4.
11	Geo. F. Muth & Co.	Lanterns Paper, inkstands, etc Flags	55.
	M. G. Copeland & Co	Flags	72. 600.
	M. Du Perow	Insulators	9.
	Manhattan Contracting Cododo The News Publishing Co Sociedad Anomina Luz Electrica A. Cesar Covani Chas. F. Talman C. L. Haley & Co Logan, Swift & Brigham Envelope Co A. V. Randall Geo. F. Muth & Co. R. Carter Ballantyne M.G. Copeland & Co M. Du Perow United States Express Co W. B. Moses & Sons The White, Corbin & Co Monarch Manufacturing Co. Teresa M. Vda de Rivas Luis Ga. y Carbonell D. Hope Ross J. H. Thiemeyer C. L. Maxwell E. Nuttall M. G. Royas	Insulators Transportation Cots, mattresses	8.
10	W. B. Moses & Sons	Cots, mattresses Envelopes Gum Office rent Office expenses do Packing boxes Office rent	29. 23.
12	Monarch Manufacturing Co	Gum	25. 58.
	Teresa M. Vda de Rivas	Office rent	100.
	Luis Ga. y Carbonell	Office expenses	20.
14	D. Hope Ross	Do alving horses	72. 58.
17	C. I. Maxwell	Office rent	75.
1.	E. Nuttall	do	
	M. G. Roves	do	40. 950.
	Jno. C. Parker	Paper, etc	950. 69.
	Wm. Ballantyne & Sons	Dictionary and grammar	5.
21	Hall, Headington & Co	Mats	28.
00	E. Nuttall M. G. Roves Jno. C. Parker Estate of Schultzbach Wm. Ballantyne & Sons Hall, Headington & Co Schneider Bros. Wm. B. Stockman do A. B. Smith Sociedad Appoints Lux Floctries	Office rent do do Paper, etc. Rain gauges. Dictionary and grammar. Mats Thermometers Traveling expenses	300.
22	wm. B. Stockman	Office expenses	48. 185.
25	A. B. Smith	Office expenses	85. 12.
	Sociedad Anomina Luz Electrica	Office rent Electric light Printing crop bulletins Traveling expenses Office expenses do Telephone service Office rent do Ice Flagstaff Signal flags Oil Passenger transportation do	12.
	The News Publishing Co	Printing crop bulletins	16. 8.
26	Wm. H. Alexander	Office expenses	14.
	Louis Dorman	do	39. 23.
	Jamaica Telephone Co., Limited	Telephone service	23. 88.
	D O Riviere	do	60
	Ed. Newman	Ice	60 21
ug.	Jose Tandron	Flagstaff	24
2 3	M. G. Copeland & Co.	Signal nags	267
. 11	Baltimore and Ohio R. R. Co	Passenger transportation	5 29
	Central R. R. Co. of New Jersey	Passenger transportation do do do Supplies Typewriter pad Tables Waste cotton Rollers	6 22 40
	Pennsylvania R. R. Co	do	22
	J. H. Bunnell & Co	Supplies	-36
14	United Typewriter and Supplies Co	Typewriter pad	9
	W. B. Moses & Sons:	Tables	170
	W. C. Newton & Co	Rollers	23 37
17	O. W. Roberts	Traveling expenses	70
	Baltimore and Ohio R. R. Co	Traveling expenses Passenger transportation	70 6
21	Chicago and Northwestern Prov. Co.	Passanger transportation	$\frac{7}{9}$
	Central R. R. Co. of New Jersey	do	6
31	R. M. Geddings	Office expenses	4
	Wm. B. Stockman  do  A. B. Smith Sociedad Anomina Luz Electrica The News Publishing Co H. C. Miller Wm. H. Alexander Louis Dorman Jamaica Telephone Co., Limited Clinckett & Coates D. O. Riviere Ed. Newman Jose Tandron M. G. Copeland & Co Ed. Newman Baltimore and Ohio R. R. Co Central R. R. Co. of New Jersey Pennsylvania R. R. Co Boston Fruit Co J. H. Bunnell & Co. United Typewriter and Supplies Co W. B. Moses & Sons Jas. B. Lambie W. C. Newton & Co O. W. R. Moserts Baltimore and Ohio R. R. Co Paul De Graw Chicago and Northwestern Rwy. Co Central R. R. Co. of New Jersey R. M. Geddings M. W. Hayes United States Express Codocr	Passenger transportation Traveling expenses Passenger transportationdo Office expensesdo Transportationdo Office expensesdodododododo	57 11
Sept. 8	do do	do do	4
14	Ernst F. Giers	Office expenses	2
	F. G. Tingley	do	24
	Leon J. Guthrie	do	4 10
	F. G. Tingley Leon J. Guthrie Patrick McDonough J. H. Kimball Paul De Graw	do	5.
	Paul De Graw	do	12
	Louis Dorman C. F. Talman F. G. Tingley	do	98. 23.
15 19			

#### WEATHER BUREAU-METEOROLOGICAL OBSERVATION STATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1899. Sept. 22 Oct. 5 20 21 26 Nov. 1	The Havana Herald Co do do Ostal Telegraph Cable Co Western Union Telegraph Co do Cuban and Pan-American Express Co The Havana Herald Co do The West Indian and Panama Telegraph Co., Limited. International Ocean Telegraph Co. Cuba Submarine Telegraph Co., Limited Franklin G. Tingley. Postal Telegraph Cable Co United States Express Co do Total	do do do Transportation Mounting maps Printing circular No.4 Telegraph service do do Traveling expenses Telegraph services Transportation do	\$101.40 18.40 43.22 6.40 54.99 36.60 16.00 21.70 25.04 2.28 .50 6.75 12.76 2.70 8.75
RECAPITULATION.			
First qua	arter		\$15, 136, 65 12, 368, 07

First quarter Second quarter Third quarter Fourth quarter	12,368.07 25,442.26 14,859.35
Supplemental	5, 009. 79
Total	79 916 19

#### ERECTION OF BUILDING AT SAULT STE. MARIE, MICH.

Date.	Name.	Nature of payment.	Total.
1898. Nov. 23 Dec. 17	The Detroit Free Press The Detroit Journal Co Frank C. Baldwin Total in quarter	Services	\$9.12 10.00 75.00
1899. June 7	Marshall N. Hunt	Partial payment on office building.	1,400.00
	Total in quarter		1,400.00
July 24	Marshall N. Hunt.	Construction of building	1.500.00

#### RECAPITULATION.

Second quarter	\$94.12
Fourth quarter	
Supplemental	1,500,00
Total	2,994.12

#### REPAIRS TO BUILDINGS AND GROUNDS AT BISMARCK, N. DAK.

Date.	Name.	Nature of payment.	Total.
1898.	W. H. Jager	ao	\$340.00
Oct. 8	Frank G. Grambs		1,179.50
21	Gull River Lumber Co		471.80
Nov. 2	Total in quarter		1,991.30

## 234 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

# Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd. REPAIRS TO BUILDING AND GROUNDS AT BISMARCK, N. DAK.—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Jan. 4 21	Webb Bros		\$29.50 40.00
May 19 June 2 21	Total in quarter  W. H. Jager J. A. Barnes Frank G. Grambs	Repairs to grounds Repairs to fence Repairs to cistern	25.00 196.90 221.40
	Total in quarter  Supplemental.  E. H. Jones		495.00
RECAPITULATION.       Second quarter     \$1,991.30       Third quarter     69.50       Fourth quarter     443.30       Supplemental     495.00       Total     2,999.10			

